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SUMMARIES OF FOREIGN GOVERNMENT ENVIRONMENTAL REPORTS

Environmental Protection Agency
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SUMMARIES

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FOREWORD

Under a series of documents exchange agreements with environmental agencies in other countries, EPA is building a collection of environmental reports issued by foreign governments and international organizations. This is a monthly announcement listing of foreign documents received through the exchange agreements.

The original documents can be obtained through the Library Systems Branch (see back page for order form). More detailed English abstracts can be provided when required. Full text translations, which are expensive, should be requested only when essential for operation of EPA programs. Translation Services Requisition form #1350-1 is used to request translations.

A computerized search system is being developed which will allow future retrieval of these summaries by:

a. country
b. subject area
   - air
   - water
   - noise
   - pesticides
   - radiation
   - solid waste management

c. type of document
   - legal/legislative/regulatory
   - management/planning
   - socio-economic

This series, devoted to summaries of government reports and other pertinent literature and focusing on the legislative, organizational, economic, and social aspects of environmental protection, supplements foreign scientific and technical literature abstracted by other EPA information services.

APTIC	PIC
SWIRS	NOISE

Ultimately, EPA plans to assemble a major collection of foreign government environments documents and to develop several approaches to the dissemination of this information to EPA staff. This announcement of documents received is the first step.

Office of Planning and Management — Office of International Activities

U. S. Environmental Protection Agency
Washington, D. C. 20460

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AUSTRIA "METALS LIE IN THE AIR." SALZBURGER NACHRICHTEN

EPA

PM(B) GERMAN 0 PGS ID# 02861A

THIS ARTICLE LISTS PRELIMINARY RESULTS OF AN EXAMINATION OF PARTICULATE MATTER IN THE AIR AT 17 MONITORING STATIONS IN THE AUSTRIAN PROVINCE OF SALZBURG. DATA COLLECTED AND EVALUATED BY SCIENTISTS OF THE INSTITUTE FOR ANALYTICAL CHEMISTRY AND MICROCHEMISTRY AT THE TECHNICAL UNIVERSITY IN VIENNA ARE TO SERVE AS THE BASIS FOR A DUST IMMISSIONS MAP IN SALZBURG. ELEMENTS MEASURED IN DUST INCLUDED CARBON, SULFUR, MAGNESIUM, TITANIUM, IRON, LEAD, ALUMINUM, COPPER, AND SILICON. THE STUDY COMPARES THE CONCENTRATIONS OF VARIOUS ELEMENTS OVER SEVERAL CITIES. IT WAS DETERMINED, FOR EXAMPLE, THAT THE CITIES OF TENNECK AND MITBERGHUETTEN BELONG TO THE "DUSTIEST" COMMUNITIES IN THE PROVINCE. THE DUST OVER THE CITY BRUCK CONTAINS PARTICULARLY LARGE QUANTITIES OF TITANIUM, IRON AND ALUMINUM. SOME DATA FOR SALZBURG ARE COMPARED TO INFORMATION FOR VIENNA.

BRAZIL "NEW SYSTEM FAVORS PREVENTION." O ESTADO DE SAO PAULO

EPA

PM(B) PORTUGUESE 04/19/75 PGS 18 ID# 02231B

THIS NEWSPAPER ARTICLE DISCUSSES SOME OF THE OBJECTIVES OF PROJECT BRAZIL 2.103, AN AGREEMENT BETWEEN THE UN AND THE BRAZILIAN GOVERNMENT FOR COMBATING AIR POLLUTION IN SAO PAULO. POINTING OUT SOME OF THE EXISTING SHORTCOMINGS AND ADMINISTRATIVE WEAKNESSES OF AIR POLLUTION CONTROL IN SAO PAULO, THE ARTICLE REPORTS THAT PROJECT BRAZIL WILL IMPROVE AND EXPAND THE NETWORK OF MONITORING STATIONS IN THE CITY AND DEVELOP A SYSTEM FOR DEALING WITH AIR POLLUTION EPISODES. IN ADDITION, IMPROVEMENTS IN ADMINISTRATIVE ORGANIZATION WILL PROVIDE FOR A GREATER SCOPE OF AUTONOMY AND JURISDICTION OVER AIR POLLUTION PROBLEMS ON THE PART OF THE STATE COMPANY OF BASIC SANITATION (CETESB) OF SAO PAULO.

FRANCE "MAY 20, 1974 DECREE BY THE MINISTER OF CULTURAL AFFAIRS AND THE ENVIRONMENT." POLLUTION ATMOSPHERIQUE NO. 63

EPA

LR(A) FRENCH 07/00/74 PGS 354 ID# 02835A

THIS DECREE, ISSUED IN PURSUANCE OF ARTICLE 11 OF DECREE NO. 74-415, CONTAINS PROVISIONS PERTAINING TO THE INSPECTION OF INSTALLATIONS DEPENDENT ON THE USE OF THERMAL ENERGY. THE PROVISIONS ENUMERATED APPLY TO ALL INSTALLATIONS WITH AN HOURLY CONSUMPTION RATE OF OVER 3,000 THERMS AND BEAR ON THE PRODUCTION, TRANSPORTATION, DISTRIBUTION AND USE OF SUCH ENERGY. LICENSED INSPECTORS ARE AUTHORIZED TO SUBMIT SUBSEQUENT RECOMMENDATIONS TO THE CHIEF OF MINEROLOGY FOR THE ARRONDISSEMENT WITH REGARD TO POSSIBLE MODIFICATIONS GEARED TO INCREASE OPERATIONAL ECONOMY WITHOUT ADVERSELY AFFECTING THE EFFICIENCY OF ANTIPOLLUTION DEVICES. THE DECREE FURTHER STIPULATES THAT ALL INSPECTIONS ARE TO BE CONDUCTED AT THE INSTALLATION'S OWN EXPENSE.

FRANCE "ENVIRONMENTAL MATTERS CONSIDERED AT THE AUGUST 28, 1974 COUNCIL OF MINISTERS." POLLUTION ATMOSPHERIQUE, NO. 63

LR(B) FRENCH 07/00/74 PGS 345 EPA ID# 02854A
ALSO PMB

THIS ARTICLE REVIEWS THE COMMENTS OF MR. JARROT, FRENCH MINISTER FOR THE QUALITY OF LIFE, ON THE PROPOSED ENVIRONMENTAL DRAFT-LAWS WHICH THE COUNCIL OF MINISTERS CONSIDERED DURING THEIR AUGUST 28, 1974 SESSION. AMONG THE BILLS RETAINED FOR PRESENTATION TO THE PARLIAMENT CONCERNING THE PROTECTION OF THE ENVIRONMENT WAS A REFORM OF THE 1917 LAW ON CLASSIFIED ESTABLISHMENTS DESIGNED TO EXPAND THE LAW'S SCOPE OF APPLICATION AND EFFECTIVENESS. THE MAIN GOALS OF THE MODIFICATION WOULD INCLUDE THE SIMPLIFICATION OF CLASSIFICATION PROCEDURES AND THE INCREASE OF PREFECTURAL POWERS IN EMERGENCY SITUATIONS. ANOTHER DRAFT-LAW SOON TO BE SUBMITTED FOR APPROVAL CALLS FOR THE CREATION OF A NATIONAL WASTE AGENCY PATTERNED ON THE BASIN SYSTEM OF WATER MANAGEMENT. OTHER ENVIRONMENTAL ACTIVITIES WHICH RECEIVED THE ENDORSEMENT OF THE COUNCIL INCLUDED THE STUDY OF A FINANCIAL SYSTEM TO COMBAT AIR POLLUTION AND THE CREATION OF AIR AGENCIES SCHEDULED TO BECOME OPERATIVE IN 1977-78.

FRANCE "JULY 31, 1974 CIRCULAR ON NUISANCES ORIGINATING FROM NITRIC ACID PLANTS." POLLUTION ATMOSPHERIQUE, NO. 65

LR(A) FRENCH 01/00/75 PGS 59-60 EPA ID# 02890B
WATER

THIS CIRCULAR FROM THE STATE SECRETARY OF THE ENVIRONMENT TO FRENCH DEPARTMENT PREFECTS CONTAINS TECHNICAL INSTRUCTIONS AND REGULATIONS APPLICABLE TO NEW INSTALLATIONS CLASSIFIED AS DANGEROUS OR ANNOYING UNDER THE DECEMBER 19, 1917 LAW ON DANGEROUS, UNHEALTHY OR ANNOYING ESTABLISHMENTS. INCLUDED IN THE INSTRUCTIONS ARE PRESCRIPTIONS GOVERNING THE LIMITATION OF THE NITROGEN OXIDE CONTENT OF WASTE GASES (4.5 KG. HNO3 PER TON OF NITRIC ACID BEING PRODUCED) AND ESTABLISHING CHIMNEY STACK HEIGHT SPECIFICATIONS. FURTHER RESTRICTIONS CONCERN THE EMISSION VELOCITY OF WASTE GASES AND MANDATORY CONTROLS AND MEASURES OF POLLUTION EMISSIONS AND AMBIENT AIR QUALITY.

GERMAN DEM REP "ENVIRONMENTAL PROTECTION IN THE GDR." RUDE PRAVO: HALO SOBOTA

LR(B) CZECH 06/07/75 PGS 13 EPA ID# 02853A

THIS ARTICLE DISCUSSES A NEW REGULATION ISSUED IN THE GERMAN DEMOCRATIC REPUBLIC TO LIMIT HARMFUL EXHAUST EMISSIONS FROM MOTOR VEHICLES, AS WELL AS FROM COMBUSTION ENGINES USED IN MACHINERY OTHER THAN MOTOR VEHICLES. THE REGULATION STATES THAT EXHAUST GASES MAY NOT CONTAIN MORE THAN 4.5 PERCENT CARBON MONOXIDE. OWNERS AND DRIVERS OF VEHICLES MUST MAINTAIN ENGINES SO AS TO MEET THIS REQUIREMENT. ALLOWABLE TIME PERIODS FOR IDLING ENGINES ARE ALSO GIVEN.

GERMANY,FED REP OF — JAHRESBERICHT DER GEWERBEAUFSICHT FUER DAS JAHR 1973 (ANNUAL REPORT OF THE FACTORY INSPECTORATE FOR THE YEAR 1973)
BADEN-WUERTTEMBERG. MIN. OF WORK, HEALTH, SOCIAL AFFAIRS — EPA
PM(B) — GERMAN — 00/00/74 PGS 1-109 — ID# 02841A
ALSO LRB
*GENERAL NOISE RADIATION

JAPAN — "KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL ORDINANCE NO. 5
EPA
LR(A) — ENGLISH — 03/12/71 PGS 4-19 — ID# 02889B
*GENERAL WATER NOISE

JAPAN — "THE ENFORCEMENT REGULATION FOR THE KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL REGULATION NO. 96
EPA
LR(A) — ENGLISH — 08/20/71 PGS 20-58 — ID# 02889C
*GENERAL WATER NOISE

NETHERLANDS — CENTRAL ENVIRONMENTAL MANAGEMENT SERVICE RIJNMOND. FOURTH QUARTER 1974 REPORT
EPA
PM(B) — DUTCH — 00/00/74 PGS 1-83 — ID# 02888A
NOISE

THIS REPORT, COVERING OCTOBER, NOVEMBER, AND DECEMBER 1974, CONCENTRATES MOSTLY ON THE FINDINGS OF THE ROUTINE AIR AND NOISE MONITORING CONDUCTED BY THE CENTRAL ENVIRONMENTAL MANAGEMENT SERVICES OF THE RIJNMOND PUBLIC AUTHORITY, A SUPRAMUNICIPAL BODY HAVING JURISDICTION IN THE ROTTERDAM AREA. INTRODUCTORY SECTIONS CONSIDER GENERAL DATA, SUCH AS THE NUMBER OF WARNINGS ISSUED TO INDUSTRY AND THE MOST IMPORTANT INCIDENTS OF AIR POLLUTION OCCURRING IN THE LAST QUARTER OF 1974, AND COMPARE THESE WITH DATA FROM OTHER TIME PERIODS. SUCCEEDING SECTIONS AND APPENDIXES CONSIDER THE DATA OBTAINED FROM THE MONITORING SYSTEM FOR: SULFUR DIOXIDE, SMOKE, PRECIPITATES, HYDROCARBONS, LEAD AND OTHER HEAVY METALS, OZONE, AND NITROGEN OXIDES. NOISE STATISTICS ARE ALSO PRESENTED.

AIR

OECD

ECONOMIC IMPLICATIONS OF POLLUTION CONTROL: A GENERAL ASSESSMENT
(OECD STUDIES IN RESOURCE ALLOCATION, NO. 1)
OECD
EPA
SE( ) ENGLISH 02/00/74 PGS 1-78 ID# 02869A
*GENERAL WATER SOLID WASTE

SOUTH AFRICA

"POLLUTION FROM INDUSTRIES AND ITS CONTROL IN SOUTH AFRICA." ENVIRONMENT RSA
SOUTH AFRICA. DEPARTMENT OF PLANNING AND THE ENVIRONMENT EPA
LR(B) ENGLISH 12/00/74 PGS 1-2 ID# 01788F

THIS ARTICLE PRESENTS A BRIEF REVIEW OF THE HISTORY OF SOUTH AFRICAN CONCERN WITH PROBLEMS RELATING TO INDUSTRIAL AIR POLLUTION AND CONSIDERS HOW THESE PROBLEMS ARE HANDLED IN THE 1965 ATMOSPHERIC POLLUTION PREVENTION ACT. SINGLED OUT FOR SPECIAL CONSIDERATION ARE THOSE PROVISIONS OF THE LAW DEALING WITH THE REQUIREMENT THAT CERTAIN TYPES OF INSTALLATIONS RECEIVE REGISTRATION CERTIFICATES IN ORDER TO OPERATE.

SPAIN

"FEBRUARY 6, 1975 DECREE NO. 883 ON THE REGULATION OF THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT." BOLETIN OFICIAL DEL ESTADO, NO. 96
EPA
LR(A) SPANISH 04/22/75 PGS 8391-8416 ID# 01133F
ALSO ST AND PMA

THIS DECREE, PROMULGATED BY THE SPANISH MINISTRY OF DEVELOPMENT PLANNING, REPRESENTS THE MOST COMPREHENSIVE REGULATION TO THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT. THE INTRODUCTION TO THE DECREE DISCUSSES ANTECEDENTS OF AIR POLLUTION CONTROL AS CONTAINED IN THE BASIC 1972 LAW AND SUMMARIZES THE ATTRIBUTES OF THE PRESENT DECREE. TECHNICAL STANDARDS FOR AIR QUALITY AND EMISSION LEVELS ARE SET FORTH, TYPES OF POTENTIALLY POLLUTING ACTIVITIES AND PRINCIPLE AIR POLLUTANTS ARE LISTED, AREAS OF ADMINISTRATIVE RESPONSIBILITIES BETWEEN NATIONAL AND LOCAL GOVERNMENT ARE DELINEATED, AND ATTRIBUTES OF THE NATIONAL NETWORK FOR MONITORING AND CONTROLLING AIR POLLUTION ARE DESCRIBED. IN ADDITION, A SYSTEM OF SANCTIONS AGAINST VIOLATORS OF THE DECREE IS DEFINED, AND CRITERIA FOR DESIGNATING AND DEALING WITH CONTAMINATED AREAS AND EMERGENCY POLLUTION EPISODES ARE DISCUSSED. THE DECREE ALSO CONTAINS PROVISIONS TO MODIFY REGULATIONS WHEN DICTATED BY THE DYNAMICS OF INDUSTRIAL GROWTH AND TECHNOLOGICAL DEVELOPMENT.

AIR

SWEDEN "IVL - AN INSTRUMENT OF ENVIRONMENTAL PROTECTION." JOURNAL OF THE FEDERATION OF SWEDISH INDUSTRIES. SPECIAL ISSUE ON INDUSTRY AND ENVIRONMENT

EPA

PM(B) ENGLISH 11/00/70 PGS 14-15 ID# 02840A

*WATER

SWEDEN MEASUREMENTS OF OZONE IN STOCKHOLM AND NYKOPING DURING THE PERIOD OF MARCH - OCTOBER 1973 (STATENS NATURVARDSVERK PM 432)

KILLINGMO, ODD-HROAR AND CAJ MOLLERGREN

EPA

ST( ) SWEDISH 00/00/73 PGS 1-34 ID# 02882A

THIS PUBLICATION REPORTS RESULTS OF A STUDY TO EXPLORE THE EXTENT OF OZONE PRODUCTION IN AMBIENT AIR AS A RESULT OF PHOTOCHEMICAL REACTIONS, WHICH WAS CONDUCTED WITH AID OF A GRANT FROM THE RESEARCH COMMITTEE OF SWEDEN'S NATIONAL ENVIRONMENT PROTECTION BOARD. PARALLEL INVESTIGATIONS WERE CONDUCTED IN A LARGE CITY (STOCKHOLM) AND A SMALL CITY (NYKOPING). AUTOMATIC INSTRUMENTS MEASURED OZONE CONCENTRATION USING A METHOD BASED ON A CHEMILUMINESCENT REACTION BETWEEN EHTYLENE AND OZONE. DAILY PROFILES INDICATE THAT PHOTOCHEMICAL REACTIONS TOOK PLACE AT BOTH SITES UNDER SUITABLE WEATHER CONDITIONS. HIGHEST ONE-HOUR VALUES WERE 5.4 PPHM OZONE FOR STOCKHOLM AND 0.4 PPHM FOR NYKOPING. NO CORRELATIONS BETWEEN OZONE CONCENTRATION AND TRAFFIC DENSITY HAVE AS YET BEEN MADE. TWELVE PAGES OF TEXT, COVERING BACKGROUND, MEASUREMENT METHODS, PROCEDURE, RESULTS AND DISCUSSION, ARE SUPPLEMENTED BY 20 PAGES OF TABLES AND DIAGRAMS AND A BIBLIOGRAPHY. THERE IS A SHORT ENGLISH SUMMARY.

SWEDEN SOLID WASTE INCINERATION--AN EXAMINATION OF WASTE, STACK GASES, ASH AND RESIDUES AT SAVENAS INCINERATOR (STATENS NATURVARDSVERK PM 535)

HEIMLER, BO

EPA

ST( ) SWEDISH 00/00/75 PGS 1-50 ID# 02884A

THIS PUBLICATION DESCRIBES A MEASUREMENT PROGRAM CARRIED OUT AT THE SAVENAS INCINERATOR AND FOUR MEASURING STATIONS IN ITS VICINITY. EXPERIMENTS WERE CONDUCTED TO DETERMINE THE COMPOSITION OF SOLID WASTE RECEIVED IN THE INCINERATOR, THE AMOUNT OF PARTICULATE AND GASEOUS MATTER EMITTED, AND THE QUANTITY OF HEAVY METALS IN RESIDUES AND ASH. FINALLY A CALCULATION OF THE MASS INPUT AND OUTPUT OF CERTAIN COMPONENTS DURING ONE YEAR WAS MADE. SAMPLES OF DUST AND PRECIPITATION WERE COLLECTED AT THE FOUR NEARBY MEASURING SITES TO DETERMINE THE PORTION OF SEVERAL ELEMENTS IN THE AIR ATTRIBUTABLE TO THE INCINERATOR. DURING MAY 1974 GASEOUS MERCURY WAS SAMPLED AT TWO MEASURING POINTS. RESULTS ARE PRESENTED IN NUMEROUS TABLES AND DIAGRAMS. THERE IS A SHORT ENGLISH SUMMARY, AND SECTION TITLES ARE TRANSLATED INTO ENGLISH.

SWEDEN

THE POTENTIAL USE OF ERTS-1 IMAGERY FOR ENVIRONMENT SURVEYS (STATENS NATURVARDSVERK PM 518)
SVENSSON, HARALD AND HANS-AKE OLSSON
ST( ) SWEDISH 00/00/74 PGS 1-31 EPA ID# 02886A
*GENERAL LAND USE

SWITZERLAND

"INTENSIFICATION OF EXHAUST AND NOISE PROVISIONS." NEUE ZUERCHER ZEITUNG
LR(B) GERMAN 01/14/75 PGS 33 EPA ID# 02831A
ALSO SE
NOISE

THIS NEWSPAPER ARTICLE SUMMARIZES SWITZERLAND'S EXISTING PROVISIONS TO LIMIT MOTOR VEHICLE EXHAUST AND NOISE EMISSIONS AND RECOUNTS THE FEDERAL COUNCIL'S PROPOSALS TO PARLIAMENT FOR FURTHER LIMITATIONS. NOISE LEVELS HAVE BEEN REDUCED SEVERAL TIMES SINCE 1952. CARBON MONOXIDE AND HYDROCARBON EMISSIONS HAVE CONFORMED SINCE 1973 TO STANDARDS OF THE EUROPEAN ECONOMIC COMMISSION OF THE UNITED NATIONS (ECE). PERMISSIBLE LEAD IN GASOLINE HAS BEEN REDUCED TWICE SINCE 1947. THE FEDERAL COUNCIL'S PROPOSALS STIPULATE THAT BY 1982 CARBON MONOXIDE AND HYDROCARBON EMISSIONS EQUAL AT MOST 20 PERCENT OF ECE STANDARDS FOR 1974. A THRESHOLD FOR NITROGEN OXIDE EMISSIONS OF 0.6 GRAMS PER KILOMETER WOULD BE INTRODUCED BY 1982. MAXIMUM PERMISSIBLE NOISE LEVELS FOR NEW VEHICLES IN LOCAL USE WOULD BE REDUCED 6 TO 10 DECIBELS BY 1982. AN INTERIOR DEPARTMENT STUDY GROUP IS DEVELOPING PLANS FOR REDUCTION OF LEAD IN GASOLINE. FEDERAL COSTS FOR TESTING AND MONITORING THESE NEW MEASURES ARE PROJECTED AT 12 TO 20 MILLION SWISS FRANCS, TO BE COVERED BY ADJUSTED FEES.

GENERAL

AUSTRALIA

ENVIRONMENT PROTECTION (IMPACT OF PROPOSALS) ACT 1974-75
LR(A) ENGLISH 05/19/75 PGS 1-11 EPA ID# 02868A

THIS ACT IS DESIGNED TO ENSURE THAT IMPACT ON THE ENVIRONMENT IS TAKEN INTO ACCOUNT IN THE PERFORMANCE OF A WIDE RANGE OF ACTIVITIES, INCLUDING THE FORMULATION OF PROPOSALS AND THE CARRYING OUT OF WORKS AND OTHER PROJECTS, BY OR ON BEHALF OF THE AUSTRALIAN NATIONAL GOVERNMENT. IT ALSO COVERS STATE ACTIVITIES WHICH RELY ON FEDERAL FUNDING. THE LAW EMPOWERS THE GOVERNOR-GENERAL TO SPECIFY ADMINISTRATIVE PROCEDURES FOR IMPLEMENTATION OF ITS PROVISIONS AND REQUIRES MINISTERS TO ENSURE THAT SUCH PROCEDURES ARE OBSERVED IN ACTIVITIES OCCURRING WITHIN THEIR DEPARTMENTS. THE MINISTER OF THE ENVIRONMENT IS EMPOWERED TO APPOINT A COMMISSIONER OR COMMISSIONERS TO CONDUCT PUBLIC INQUIRIES INTO MATTERS COVERED BY THE ACT. THE ACT GIVES SUCH COMMISSIONERS POWER TO SUMMON WITNESSES, SPECIFIES PENALTIES FOR THOSE DISREGARDING SUCH SUMMONS, PROVIDES FOR THE PROTECTION OF WITNESSES, AND DETAILS THE CIRCUMSTANCES UNDER WHICH COMMISSIONERS MAY ENTER AND INSPECT PREMISES.

GENERAL

AUSTRALIA — ADMINISTRATIVE PROCEDURES UNDER THE ENVIRONMENT PROTECTION (IMPACT OF PROPOSALS) ACT 1974-1975

LR(A) — ENGLISH — 06/20/75 PGS 1-11 — EPA ID# 02868B

THIS ORDER, ISSUED BY THE MINISTER OF THE ENVIRONMENT, DETAILS PROCEDURES TO BE FOLLOWED IN CARRYING OUT THE PROVISIONS OF THE ENVIRONMENTAL PROTECTION (IMPACT OF PROPOSALS) ACT 1974-1975. MAJOR SECTIONS DEAL WITH: THE REQUIREMENT TO SUPPLY INFORMATION TO THE MINISTER UNDER WHOSE JURISDICTION A PROPOSED ACTION FALLS; SITUATIONS IN WHICH ENVIRONMENTAL IMPACT STATEMENTS ARE TO BE REQUIRED; MATTERS TO BE DEALT WITH BY SUCH STATEMENTS AND THE FORM THEY ARE TO TAKE; THE REQUIREMENT TO MAKE ENVIRONMENTAL IMPACT STATEMENTS AVAILABLE; INQUIRIES AND REPORTS DEALING WITH THE STATEMENTS; REVISION AND EXAMINATION OF ENVIRONMENTAL IMPACT STATEMENTS; REVIEW OF ENVIRONMENTAL ASPECTS OF PROPOSED ACTIONS; AND CIRCUMSTANCES UNDER WHICH EXEMPTIONS MAY BE GRANTED.

COLOMBIA — "ARMED FORCES INITIATE PROTECTION OF NATURAL RESOURCES." EL TIEMPO

PM(B) — SPANISH — 04/03/75 PGS 2A — EPA ID# 02874A
ALSO SE

THIS ARTICLE REPORTS THAT THE COLOMBIAN ARMED FORCES HAS TRAINED 360 ECOLOGICAL INSTRUCTORS, AS THE FIRST STEP OF A PLAN SPONSORED JOINTLY BY THE NATIONAL INSTITUTE FOR THE PROTECTION OF NATURAL RESOURCES AND THE ARMED FORCES TO INVOLVE MILITARY PERSONNEL IN ECOLOGICAL PROTECTION. TAKING ADVANTAGE OF MILITARY ORGANIZATION, ECOLOGICAL INSTRUCTORS WILL BE ABLE TO UNIFORMLY TRAIN MILITARY PERSONNEL IN ECOLOGICAL PROTECTION. UPON RETURNING TO CIVILIAN LIFE, COLOMBIAN SOLDIERS ARE EXPECTED TO DISSEMINATE AN ECOLOGICAL AWARENESS TO THE VARIOUS REGIONS OF THE COUNTRY.

COMECON BULGARIA — "COOPERATION IN ENVIRONMENTAL PROTECTION." TEKHNICHESKO DELO
PROKUDIN, V.

PM(B) — 06/28/75 PGS 6 — EPA ID# 02837A
ALSO SE

THIS ARTICLE DEALS WITH ENVIRONMENTAL PROTECTION PROGRAMS OF THE COMECON COUNTRIES, BOTH INDIVIDUALLY AND AS A GROUP. IT IS NOTED THAT, IN THE USSR, THE PLAN FOR THE NATIONAL ECONOMY FOR THE CURRENT YEAR INCLUDES A NEW SECTION DEVOTED TO THE PROTECTION OF NATURE AND RATIONAL USE OF NATURAL RESOURCES. MORE THAN 1.8 BILLION RUBLES HAS BEEN DESIGNATED FOR THESE PURPOSES. IN POLAND EXPENDITURES FOR THE PROTECTION OF AIR AND WATER IN THE CURRENT FIVE-YEAR PLAN HAVE REACHED 15 BILLION ZLOTY. ALSO, BULGARIA HAS ALLOCATED 120 MILLION LEVA THIS YEAR FOR DEPOLLUTION OF AIR AND WATER AS WELL AS FOR PREVENTION OF SOIL EROSION AND THE CULTIVATION OF FORESTS. RESEARCH AND PLANNING ACTIVITIES OF ENVIRONMENTAL ORGANIZATIONS WITHIN COMECON ARE ALSO DISCUSSED.

GENERAL

FRANCE

"1975 ENVIRONMENTAL BUDGET." POLLUTION ATMOSPHERIQUE, NO. 64

SE( )

FRENCH 10/00/74 PGS 446-447 EPA ID# 02867A

THIS ARTICLE PRESENTS THE 1975 FRENCH ENVIRONMENTAL BUDGET, WHICH RECEIVED PARLIAMENTARY EXAMINATION DURING THE OCTOBER 30, 1974 SESSION OF THE NATIONAL ASSEMBLY. INCLUDED IN THE ARTICLE ARE THE POLICY STATEMENTS OF MR. JARROT, MINISTER FOR THE QUALITY OF LIFE, AND HIS COMMENTS CONCERNING ENVIRONMENTAL PROTECTION PRIORITIES FOR THE UPCOMING FISCAL YEAR. THE BUDGET OF THE STATE SECRETARY TO THE ENVIRONMENT AS APPROVED BY THE PARLIAMENT REPRESENTS A 4.3 PERCENT INCREASE OVER THE PREVIOUS YEAR'S BUDGET AND IS BROKEN DOWN INTO ITS VARIOUS COMPONENTS (WATER PROTECTION, AIR, SOLID WASTES ETC.) IN A CHART WHICH JUXTAPOSES THE 1974 FIGURES FOR PURPOSES OF COMPARISON.

GERMANY,FED REP OF

UMWELTSCHUTZ IN BADEN-WUERTTEMBERG: OEKOLOGIE (ENVIRONMENTAL PROTECTION IN BADEN-WUERTTEMBERG: ECOLOGY)

BADEN-WUERTTEMBERG. MINISTRY OF FOOD...ENVIRONMENT EPA

PM(B)

GERMAN 00/00/74 PGS 1-19 ID# 02836A

THIS PUBLICATION FROM THE MINISTRY FOR FOOD, AGRICULTURE AND ENVIRONMENT OF THE WEST GERMAN STATE OF BADEN-WUERTTEMBERG CONTAINS SECTIONS ON THE FOLLOWING TOPICS: ECOLOGY AS THE ENVIRONMENTAL RELATIONSHIPS OF LIVING BEINGS, ECOSYSTEMS, PLANTS AND THE ENVIRONMENT, ANIMALS AND THE ENVIRONMENT, MAN AND THE ENVIRONMENT, AND ECOLOGY AND GROWTH. IT INCLUDES A BRIEF GLOSSARY AND A COLOR MAP ILLUSTRATING FOREST TYPES NATIVE TO VARIOUS AREAS OF THE STATE. CHARTS AND ILLUSTRATIONS ACCOMPANY THE TEXT.

GERMANY,FED REP OF

JAHRESBERICHT DER GEWERBEAUFSICHT FUER DAS JAHR 1973 (ANNUAL REPORT OF THE FACTORY INSPECTORATE FOR THE YEAR 1973)

BADEN-WUERTTEMBERG. MIN. OF WORK, HEALTH, SOCIAL AFFAIRS EPA

PM(B)

GERMAN 00/00/74 PGS 1-109 ID# 02841A

ALSO LRB

AIR NOISE RADIATION

ACCORDING TO THE INTRODUCTION TO THIS PUBLICATION, THE GOVERNMENT OF THE WEST GERMAN FEDERAL STATE OF BADEN-WUERTTEMBERG DECLARED 1973 A YEAR OF ACTIVE ENVIRONMENTAL PROTECTION, AND THE STATE FACTORY INSPECTORATE PLAYED AN IMPORTANT ROLE IN IMPLEMENTING THE ENVIRONMENTAL PROGRAM IN ADDITION TO ITS DUTIES IN ENSURING SAFE AND HEALTHY WORKING CONDITIONS FOR FACTORY EMPLOYEES. DURING INSPECTIONS, OFFICIALS NOTED SOURCES OF AIR POLLUTION AND NOISE OR VIBRATION DISTURBANCES AND ISSUED ORDERS FOR THEIR CORRECTION. THE INSPECTORATE HELPED LIMIT RADIOACTIVE POLLUTION OF AIR AND WATER FROM NUCLEAR ESTABLISHMENTS AND LABORATORIES AND ENSURED SAFE DISPOSAL OF OTHER RADIOACTIVE WASTES. FACTORY INSPECTORATE AUTHORITIES ALSO MADE MAJOR CONTRIBUTIONS TO PREVENTIVE POLLUTION CONTROL DURING STATE CONSIDERATION OF PLANNED CONSTRUCTION. PARTICULAR CHAPTERS ON ENVIRONMENTAL PROTECTION IN THE VICINITY OF FACTORIES AND PROTECTION FROM RADIOACTIVITY LIST GENERAL INSPECTORATE DUTIES (PART I) AND CASE STUDIES (PART II).

GERMANY,FED REP OF

PM(B)

UMWELTSCHUTZ IN BADEN-WUERTTEMBERG: MITTELFRISTIGES PROGRAMM (ENVIRONMENTAL PROTECTION IN BADEN WUERTTEMBERG: INTERIM PROGRAM)
BADEN-WUERTTEMBERG. MIN. OF FOOD, AGRICULTURE, ENVIRONMENT EPA
GERMAN 00/00/74 PGS 1-223 ID# 02855A

THIS PUBLICATION PRESENTS THE ENVIRONMENTAL PROTECTION GOALS AND MEASURES FOR THE YEARS 1974 TO 1976 FOR THE STATE OF BADEN-WUERTTEMBERG. IT CONTAINS THE FOLLOWING SECTIONS: A. PRINCIPLES AND GOALS OF ENVIRONMENTAL POLICY (SUBSECTIONS ON SCIENCE AND TECHNOLOGY, ECONOMY AND GROWTH, ENERGY AND POWER PLANTS, TRAFFIC AND MOTORIZATION, AGRICULTURE AND ECOLOGY, VALUES AND PROCEDURAL NORMS); B. GENERAL MEASURES (PUBLIC ENVIRONMENTAL INFORMATION, INFORMATION IN UNIVERSITIES AND SCHOOLS, CONTINUING EDUCATION, LAND USE PLANNING, ENVIRONMENTAL STATISTICS, OTHER GENERAL MEASURES); C. MEASURES IN INDIVIDUAL AREAS (AIR, WATER, SOIL AND CULTIVATED PLANTS, FOODSTUFFS, NATURE AND LANDSCAPE, SOLID WASTE, NOISE, RADIATION, RECREATION); D. LEGAL BASES FOR THE INTERIM ENVIRONMENTAL PROGRAM; E. ENVIRONMENTAL PROGRAM AT A GLANCE; AND F. PROVISIONS OF THE STATE GOVERNMENT FOR IMPLEMENTATION. SECTION D LISTS MAJOR FEDERAL AND SOME STATE LAWS IN THE PROGRAM AREAS. SECTION F PPESENTS THE PROGRAM IN TABULAR FORM WITH FINANCIAL AND PERSONNEL REQUIREMENTS.

GHANA

PM(A)

FACTS ABOUT THE ENVIRONMENTAL PROTECTION COUNCIL OF GHANA
EPA
ENGLISH 00/00/75 PGS 1-4 ID# 02857A

THIS PAMPHLET PRESENTS A BRIEF OVERVIEW OF THE ACTIVITIES AND OPERATIONS OF THE GHANA ENVIRONMENTAL PROTECTION COUNCIL, WHICH WAS SET UP BY DECREE IN JANUARY 1974. THE COUNCIL, WHOSE 15 MEMBERS ARE DRAWN FROM UNIVERSITIES, THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH AND VARIOUS GOVERNMENT MINISTRIES AND BOARDS, OPERATES THROUGH EXPERT COMMITTEES CONSISTING OF ITS OWN MEMBERS AS WELL AS OF OUTSIDE SPECIALISTS. ITS FUNCTIONS INCLUDE: ADVISING THE GOVERNMENT ON ENVIRONMENTAL MATTERS; CO-ORDINATING THE ACTIVITIES OF ALL BODIES CONCERNED WITH ENVIRONMENTAL MATTERS; CONDUCTING AND PROMOTING RESEARCH; INSTITUTING GENERAL ENVIRONMENTAL EDUCATION PROGRAMS; AND ENSURING THAT PROPER ENVIRONMENTAL SAFEGUARDS ARE OBSERVED IN THE PLANNING AND EXECUTION OF DEVELOPMENT PROJECTS. AMONG ITS PROJECTED ACTIVITIES ARE ADVISING ON LEGISLATION REQUIRED FOR MAINTAINING SOUND ENVIRONMENTAL STANDARDS AND SETTING STANDARDS OF ENVIRONMENTAL QUALITY TO BE OBSERVED BY INDUSTRY.

INTERNATIONAL

SE( )

"CONTROL OF WATER POLLUTION IN EUROPE." WASSER, LUFT UND BETRIEB, NO. 1
EPA
GERMAN 01/00/75 PGS 18 ID# 02832A
WATEP

THIS MAGAZINE NEWS ITEM REPORTS SELECTED FINDINGS OF A LONDON COMPANY'S RESEARCH OF POLLUTION CONTROL INVESTMENT IN THE FOLLOWING EUROPEAN COUNTRIES: FINLAND, SWEDEN, THE FEDERAL REPUBLIC OF GERMANY, THE NETHERLANDS, FRANCE, SPAIN, ITALY, IRELAND AND GREAT BRITAIN. ACCORDING TO THE STUDY, THE RICHER NATIONS SPENT ABOUT ONE PERCENT OF THEIR GROSS NATIONAL PRODUCTS ON ENVIRONMENTAL PROTECTION, WHILE THE AVERAGE IN FINLAND, ITALY, AND SPAIN WAS LESS THAN 0.5 PERCENT. THE STUDY CONCLUDED THAT ALTHOUGH ENVIRONMENTAL CONTROL COSTS WILL INCREASE IN THE NEXT TEN YEARS, THEY WILL BE SIGNIFICANTLY LOWER THAN OTHER SOCIALLY ORIENTED COSTS. OF THE NATIONS STUDIED, THE HIGHEST EXPENDITURES FOR EQUIPMENT AND PROCEDURES FOR POLLUTION CONTROL SEEMED TO BE IN THE FEDERAL REPUBLIC OF GERMANY, THE NETHERLANDS, AND GREAT BRITAIN.

INTERNATIONAL

"HAS ENVIRONMENTAL PROTECTION BECOME A LUXURY?" LE MONDE
PRUD'HOMME, REMY
SE( ) FRENCH 06/24/75 PGS 21-22 EPA ID# 02856A

THIS ARTICLE EXAMINES THE IMPACT OF THE ECONOMIC CRISIS AND THE SEARCH FOR ALTERNATIVE ENERGY SOURCES ON UPCOMING ENVIRONMENT PROTECTION PROGRAMS. A REVIEW OF ENVIRONMENTALLY RELATED EXPENSES WITHIN OECD MEMBER STATES SHOWS COSTS TO BE BELOW ONE PERCENT OF THE GNP IN THE MAJORITY OF INDUSTRIALIZED COUNTRIES. FORECASTS FOR THE UPCOMING DECADE EVIDENCE NO SIGNIFICANT INCREASE IN ENVIRONMENTAL INVESTMENTS, WHILE SIMULATED MODELS OF THE ECONOMIC CONSEQUENCES OF THESE EXPENSES INDICATE A GENERALLY NEGATIVE CORRELATION BETWEEN INFLATIONARY PRICE HIKES AND ENVIRONMENTAL PROGRAM IMPLEMENTATION. THE AUTHOR CONCLUDES AFTER A SURVEY OF SEVERAL ECONOMETRIC STUDIES THAT THE APPLICATION OF ENVIRONMENTAL PROTECTION POLICIES IS NOT APT TO SERIOUSLY EFFECT EXISTING ECONOMIC CONDITIONS. TRADITIONAL GOALS OF ENVIRONMENTAL PROTECTION WILL THEREFORE NOT BE REPLACED BUT MERELY SUPPLEMENTED DUE TO NEW ECONOMIC CONSIDERATIONS.

IRAN

"PET PEEVES AND DIRTY AIR." THE TEHRAN JOURNAL
VOLKOFF, ALEX
LR(B) ENGLISH 04/08/74 PGS 5 EPA ID# 02770A

THIS ARTICLE PRESENTS THE COMMENTS OF SENATOR SALEH, CHAIRMAN OF THE IRANIAN SENATE COMMISSION ON POLLUTION, ON IRAN'S NEW ENVIRONMENTAL PROTECTION ACT. ACCORDING TO SALEH, THE PROPOSED LAW, EXPECTED TO RECEIVE PARLIAMENTARY APPROVAL IN MAY 1974, PLACES THE RESPONSIBILITY FOR SOIL PROTECTION WITH THE MINISTRY OF AGRICULTURE, AIR POLLUTION WITH THE MINISTRY OF HEALTH, AND WATER POLLUTION WITH THE MINISTRY OF WATER AND POWER; THE COORDINATION OF THESE FUNCTIONS IS TO BE THE TASK OF A NEW ENVIRONMENTAL UNIT TO BE ESTABLISHED UNDER THE PRIME MINISTER'S OFFICE. THE TWO MAJOR SOURCES OF AIR POLLUTION MENTIONED BY THE SENATOR - AUTOMOBILES AND INDUSTRY - ARE EXPECTED TO COME UNDER REGULATION WITH THE ADOPTION OF EMISSION STANDARDS.

IRAN

"SENATE APPROVES ENVIRONMENTAL LEGISLATION." THE TEHRAN JOURNAL
LR(B) ENGLISH 06/11/74 PGS 3 EPA ID# 02771A

A GOVERNMENT-SPONSORED BILL ON THE PROTECTION OF THE HUMAN ENVIRONMENT HAS RECEIVED SENATE APPROVAL IN IRAN AND IS BEING SENT TO THE MAJLIS FOR FINAL APPROVAL PRIOR TO PROMULGATION. ACCORDING TO THIS ARTICLE, THE BILL PROVIDES FOR FINANCIAL PENALTIES RANGING FROM 50 TO 50,000 RIALS FOR OFFENSES CONTRIBUTING TO POLLUTION. EXECUTIVE REGULATIONS DEALING WITH THE EXTENT OF THE VIOLATION, DEGREE OF POLLUTION AND ENSUING PENALTIES ARE SUBSEQUENTLY TO BE DRAFTED BY A JOINT SENATE-MAJLIS COMMITTEE. ALSO PROPOSED IN THE BILL IS THE ESTABLISHMENT OF AN INDEPENDENT HUMAN ENVIRONMENT ORGANIZATION UNDER THE OFFICE OF THE PRIME MINISTER. THE ORGANIZATION'S HEAD WOULD BE GIVEN THE STATUS OF A DEPUTY PRIME MINISTER AND BE RESPONSIBLE FOR ENVIRONMENTAL CONSERVATION. WITH AUTHORITY OVER ALL INDUSTRIAL ESTABLISHMENTS, THE ORGANIZATION WOULD BE EMPOWERED TO ORDER THE SHUTDOWN OF ESTABLISHMENTS FOUND TO BE POLLUTING.

GENERAL

JAMAICA

"NEW GOVERNMENT OF JAMAICA INSTITUTION ESTABLISHED TO DEAL WITH ECOLOGICAL PROBLEMS." DEPT. OF STATE AIRGRAM, AMEMBASSY KINGSTON, JAMAICA, NO. A-104
U.S. DEPARTMENT OF STATE EPA

PM(A) ENGLISH 06/12/75 PGS 1-3 ID# 02864A
ALSO SE
*WATER LAND USE

JAPAN

"BASIC ORDINANCE FOR THE SECURITY OF GOOD ENVIRONMENT." KANAGAWA PREFECTURAL ORDINANCE NO. 4
EPA

LR(A) ENGLISH 03/12/71 PGS 1-3 ID# 02889A

THIS ORDINANCE SETS FORTH GENERAL OBLIGATIONS OF ENTREPRENEURS, CITIZENS, AND THE PREFECTURAL AND MUNICIPAL GOVERNMENTS OF KANAGAWA PREFECTURE WITH REGARD TO SAFEGUARDING THE LIVING AND NATURAL ENVIRONMENTS. ENTREPRENEURS ARE REQUIRED TO TAKE ENVIRONMENTAL PROTECTION INTO CONSIDERATION IN CHOOSING THE LOCALITY OF BUSINESS ESTABLISHMENTS AND TO PROMOTE ANTIPOLLUTION MEASURES. THE PREFECTURAL GOVERNOR IS OBLIGATED TO PLAN ENVIRONMENTAL PROGRAMS AND TO PROMOTE RESEARCH. THE GOVERNOR MAY ESTABLISH ENVIRONMENTAL QUALITY STANDARDS NECESSARY FOR THE IMPLEMENTATION OF THIS ORDINANCE.

JAPAN

"KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL ORDINANCE NO. 5
EPA

LR(A) ENGLISH 03/12/71 PGS 4-19 ID# 02889B
AIR WATER NOISE

THIS ORDINANCE PROVIDES CONTROL REGULATIONS FOR AIR, WATER, NOISE AND SOIL POLLUTION, WHICH ARE INTENDED TO ATTAIN THE OBJECTIVES OF THE KANAGAWA PREFECTURAL BASIC ORDINANCE FOR THE SECURITY OF GOOD ENVIRONMENT. POTENTIALLY POLLUTING BUSINESS OPERATIONS AND EQUIPMENT (DESIGNATED IN TABLES APPENDED TO THE ORDINANCE) MUST BE AUTHORIZED BY THE GOVERNOR OF THE PREFECTURE. GENERAL AIR AND WATER POLLUTION CONTROL REGULATIONS ARE SET FORTH, WITH THE REQUIREMENT THAT THE PREFECTURAL GOVERNMENT ESTABLISH EMISSION AND EFFLUENT STANDARDS IN ACCORDANCE WITH THE NATIONAL AIR AND WATER POLLUTION CONTROL LAWS. NOISE AND VIBRATIONS, AS WELL AS GROUND SUBSIDENCE AND SOIL CONTAMINATION, ARE ALSO LIMITED BY THE ORDINANCE. IT IS FURTHER STIPULATED THAT THE DESIGNATED ENTERPRISES APPOINT ENVIRONMENTAL POLLUTION CONTROL ENGINEERS. THE ORDINANCE ALSO INCLUDES ENFORCEMENT PROCEDURES TO BE CARRIED OUT BY THE GOVERNOR AND PENAL PROVISIONS.

JAPAN "THE ENFORCEMENT REGULATION FOR THE KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL REGULATION NO. 96

LR(A) ENGLISH 08/20/71 PGS 20-58 EPA ID# 02889C
AIR WATER NOISE

THIS REGULATION, AS REVISED BY KANAGAWA PREFECTURAL REGULATIONS NO. 114 (SEPT. 11, 1972) AND NO. 106 (SEPT. 28, 1973), PROVIDES IMPLEMENTATION MEASURES FOR THE KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION. CHAPTER I OF THE REGULATION DELEGATES CERTAIN ENFORCEMENT RESPONSIBILITIES TO CITY MAYORS OR HEADS OF TOWNS AND VILLAGES IN THE PREFECTURE. CHAPTER II EXPLAINS THE PROCEDURE FOR OBTAINING PERMISSION FOR THE ESTABLISHMENT OF POTENTIALLY POLLUTING ENTERPRISES. REGULATIONS FOR CONTROLLING AIR, WATER AND NOISE POLLUTION FROM VARIOUS SOURCES ARE SET FORTH. APPENDED TABLES 1-7 PROVIDE CONTROL STANDARDS FOR EMISSIONS OF SULFUR OXIDES, SOOT AND DUST, AND TOXIC SUBSTANCES; EFFLUENT STANDARDS; AND NOISE AND VIBRATION CONTROL STANDARDS. REGULATIONS ARE ALSO SET FORTH FOR THE PUMPING UP OF UNDERGROUND WATER WITH REGARD TO GROUND SUBSIDENCE.

JAPAN "ENVIRONMENTAL PROTECTION IN JAPAN STRENGTHENED." WASSER, LUFT AND BETRIEB, NO. 3

SE( ) GERMAN 03/00/75 PGS 100 EPA ID# 02834A

THIS MAGAZINE NEWS BRIEF REPORTS THAT ACCORDING TO OFFICIAL ESTIMATES JAPANESE ENTREPRENEURS INVESTED 113 PERCENT MORE IN ENVIRONMENTAL PROTECTION MEASURES IN 1974 THAN IN THE PREVIOUS YEAR. THIS FIGURE, CURRENT TO SEPTEMBER 1974, REPRESENTS THE HIGHEST INVESTMENT IN ENVIRONMENT CONTROL IN JAPAN TO DATE. A FURTHER 44 PERCENT ENVIRONMENTAL PROTECTION INVESTMENT GROWTH RATE IS PREDICTED FOR 1975 IN COMPARISON TO 1974. ESPECIALLY HEAVY INVESTMENTS WERE MADE IN THE CEMENT AND CERAMIC INDUSTRIES AND IN HEATING PLANTS. TOTAL INDUSTRY INVESTMENT FOR ENVIRONMENTAL PROTECTION IN 1974, BASED ON THE FOREGOING PERCENTAGE, WOULD EQUAL ABOUT 1,019 BILLION YEN, ACCORDING TO THE JAPANESE TRADE CENTER IN HAMBURG. THE HIGH INVESTMENTS ARE PARTIALLY THE RESULT OF MORE STRINGENT LEGAL REGULATIONS.

OECD "LESS TRAFFIC, BETTER CITIES." ARBEITERZEITUNG

PM(B) GERMAN 04/20/75 PGS 9 EPA ID# 02830A

THIS ARTICLE LISTS RECOMMENDATIONS OF A PARIS CONFERENCE OF THE ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD) WITH THE THEME "BETTER CITIES THROUGH LESS TRAFFIC." MEMBER NATIONS WERE ADVISED TO: A) STRIVE FOR A BETTER BALANCE OF PRIVATE AND PUBLIC TRANSPORTATION, B) UTILIZE TRAFFIC MANAGEMENT AND OTHER MEASURES THAT CAN BE IMPLEMENTED WITH MINIMUM COST, C) COMBINE THE ABOVE GOALS WITH GENERAL IMPROVEMENT OF THE URBAN ENVIRONMENT, AND D) DEVELOP LONG-TERM PLANS TO REDUCE THE OVERALL NEED FOR TRANSPORTATION. TRAFFIC MANAGEMENT MEASURES MIGHT INCLUDE EXPEDITION OF BUS TRAFFIC, PROVISION OF BICYCLE PATHS, PROMOTION OF MULTIPLE USE OF PRIVATE AUTOMOBILES, AND PLANNED USE OF TRAFFIC SIGNALS, PARKING REGULATIONS, AND TRAFFIC-FREE ZONES. THE CONFERENCE DISCUSSED IN GREATER DETAIL RECOMMENDATIONS DEVELOPED DURING A MEETING OF OECD MINISTERS LAST YEAR.

GENERAL

OECD

ECONOMIC IMPLICATIONS OF POLLUTION CONTROL: A GENERAL ASSESSMENT
(OECD STUDIES IN RESOURCE ALLOCATION, NO. 1)
OECD EPA
SE( ) ENGLISH 02/00/74 PGS 1-78 ID# 02869A
AIR WATER SOLID WASTE

THIS REPORT, PREPARED BY A WORKING PARTY OF THE ECONOMIC POLICY COMMITTEE OF THE OECD, PROVIDES A MACRO-ECONOMIC ASSESSMENT OF THE COSTS OF POLLUTION CONTROL PROGRAMS AND THEIR GENERAL ECONOMIC POLICY IMPLICATIONS IN A NUMBER OF OECD MEMBER COUNTRIES. THE REPORT AIMS TO PLACE THE ADDITIONAL POLLUTION CONTROL EXPENDITURES OVER THE NEXT FIVE TO TEN YEARS WITHIN THE CONTEXT OF OTHER CLAIMS ON NATIONAL RESOURCES SO AS TO GIVE PERSPECTIVE TO THE RECENT INTENSIVE DEBATE ON POLLUTION CONTROL. VARIOUS SECTIONS DISCUSS THE GENERAL FINDINGS OF THE REPORT, COMPARE POLLUTION CONTROL COST DATA FROM VARIOUS COUNTRIES, AND CONSIDER THE ECONOMIC SIGNIFICANCE AND IMPACT OF POLLUTION CONTROL POLICIES. BECAUSE OF DATA LIMITATIONS DISCUSSION IS RESTRICTED TO THE FEDERAL REPUBLIC OF GERMANY, ITALY, JAPAN, THE NETHERLANDS, SWEDEN AND THE UNITED STATES AND IS CONCENTRATED ON AIR AND WATER POLLUTION AND SOLID WASTE DISPOSAL. THE REPORT ALSO DOES NOT EXPLICITLY TAKE ACCOUNT OF THE PRESENT CONFLICT BETWEEN ENVIRONMENTAL INTERESTS AND ENERGY DEMANDS.

POLAND

"A NEW MINISTRY RESPONSIBLE FOR ENVIRONMENTAL PROTECTION." AIR CONSERVATION
(TRANSLATED FROM POLISH - OCHRONA POWIETRZA), VOL. 7, NO. 1
KROL, J.
EPA
PM(A) ENGLISH 00/00/73 PGS 76-77 ID# 02839A

THIS ARTICLE REPORTS THE ESTABLISHMENT ON MARCH 29, 1972 OF A MINISTRY OF TERRAIN ADMINISTRATION AND ENVIRONMENTAL PROTECTION IN POLAND. THE ENVIRONMENTAL PROTECTION FUNCTIONS OF THE MINISTRY, AS SET FORTH IN THE JUNE 23, 1972 ORDER OF THE COUNCIL OF MINISTERS, INCLUDE: 1) SUPERVISION AND CONTROL OF WATERS AGAINST POLLUTION, INCLUDING FINING; 2) PROTECTION OF AIR AGAINST POLLUTION; 3) PLANNING ENVIRONMENTAL PROTECTION PROGRAMS; 4) GIVING ADVICE ON INVESTMENTS FOR ENVIRONMENTAL PROTECTION; 5) CONTROL OF HARMFUL POLLUTING SOURCES; 6) INITIATING AND COORDINATING SEWAGE MANAGEMENT AND BUILDING OF SEWAGE CLEANING PLANTS; 7) DEFINING ALLOWABLE LIMITS OF POLLUTION; 8) COORDINATION OF INTER-MINISTERIAL ENVIRONMENTAL PROTECTION ACTIVITIES; 9) DETERMINING METHODS FOR THE CONTROL OF NOISE; AND 10) INFORMATIONAL ACTIVITIES REGARDING ENVIRONMENTAL PROTECTION.

SWEDEN

THE NATIONAL FOREST SURVEY. POTENTIAL USE OF DATA FOR ENVIRONMENTAL PLANNING AND RESEARCH (STATENS NATURVARDSVERK PM 603)
OHLSSON, STIG
ST( ) SWEDISH 00/00/75 PGS 1-46 EPA ID# 02878A
LAND USE

THIS PUBLICATION DISCUSSES THE NATIONAL FOREST SURVEY, WHICH PROVIDES DATA FOR PLANNING AND CONTROL IN THE UTILIZATION OF THE FOREST RESOURCE AT REGIONAL AND NATIONAL LEVELS. THE SURVEY CONSISTED OF A SYSTEMATIC CLUSTER SAMPLING, COVERING THE TOTAL LAND AREA WITH A GRID OF SMALL SAMPLE PLOTS. THE SIZE AND COMPOSITION OF THE FOREST RESOURCE, SOIL PROPERTIES, LAND USE AND THE NATURE OF THE VEGETATION WERE RECORDED. THE INFORMATION WAS STORED ON MAGNETIC TAPE AT THE DEPARTMENT OF FOREST SURVEY AT THE ROYAL COLLEGE OF FORESTRY. BOTH EXISTING DATA, COLLECTED FROM 1953, AND NEW DATA WERE STORED. THE INFORMATION MAY BE APPLIED TO ENVIRONMENTAL PROTECTION AND PHYSICAL PLANNING PURPOSES. IN THE AREA OF ENVIRONMENTAL CONTROL, FOR EXAMPLE, THE INFORMATION CAN CONTRIBUTE FACTS REGARDING CHANGES IN SOIL AND VEGETATION. THE TEXT IS SUPPLEMENTED BY AN ENGLISH SUMMARY, BIBLIOGRAPHY, CHARTS, TABLES AND DIAGRAMS.

SWEDEN

THE POTENTIAL USE OF ERTS-1 IMAGERY FOR ENVIRONMENT SURVEYS (STATENS NATURVARDSVERK PM 518)
SVENSSON, HARALD AND HANS-AKE OLSSON
ST( ) SWEDISH 00/00/74 PGS 1-31 EPA ID# 02886A
AIR LAND USE

THIS PUBLICATION STATES THAT IMAGES RECORDED OVER SOUTHERN SWEDEN BY ERTS-1 (EARTH RESOURCES TECHNOLOGY SATELLITE) FOR PURPOSES OF GEOGRAPHICAL ANALYSIS HAVE BEEN STUDIED FOR POSSIBLE APPLICATION TO ENVIRONMENTAL SURVEYS. POTENTIAL AREAS OF APPLICATION INVESTIGATED WERE: 1) DETECTION OF AIR POLLUTION FROM INDUSTRY, BUILT-UP AREAS, AND AIRCRAFT (CONDENSATION TRAILS); 2) FOREST CLASSIFICATION AND MAPPING; AND 3) LAND USE MAPPING. PHOTOGRAPHS, CHARTS, AND TABLES SUPPLEMENT THE TEXT, AND AN ENGLISH SUMMARY AND A BIBLIOGRAPHY ARE INCLUDED. INVESTIGATIONS WERE SPONSORED BY THE RESEARCH COMMITTEE OF THE NATIONAL ENVIRONMENT PROTECTION BOARD AND THE SWEDISH NATURAL SCIENCE RESEARCH COUNCIL.

UNITED NATIONS

"CONFLICTS OF INTEREST IN ENVIRONMENTAL PROTECTION PROGRAM." NEUE ZUERCHER ZEITUNG
PM(A) GERMAN 05/06/75 PGS 4 EPA ID# 02845A

THIS ARTICLE GIVES SOME FACTS ABOUT THE ORGANIZATION, BUDGET, AND GOALS OF THE UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP) ON THE OCCASION OF ITS THIRD COUNCIL MEETING IN NAIROBI FROM APRIL 17 TO MAY 2, 1975. THE ORGANIZATION, FORMED TOWARD THE END OF 1972 AND HEADQUARTERED IN THE KENYATTA CONFERENCE CENTER IN NAIROBI, CURRENTLY EMPLOYS APPROXIMATELY 280 ADMINISTRATIVE PERSONNEL IN KENYA. IT IS INVOLVED IN ABOUT 250 PROJECTS AND HAS A PLANNED BUDGET FOR THE YEARS 1973 TO 1978 OF 100 MILLION DOLLARS. THE ESTIMATED BUDGET FOR 1975 IS 20 MILLION DOLLARS. THERE ARE 58 NATIONS ON THE UNEP ADMINISTRATIVE COUNCIL, WITH AFRICA POSSESSING THE LARGEST VOTING BLOC. CURRENTLY SOME DIFFERENCES OF OPINION AS TO GOAL PRIORITIES EXIST BETWEEN DEVELOPING AND INDUSTRIAL NATIONS PARTICIPATING IN THE PROGRAM, WITH THE LATTER MORE INTERESTED IN PROBLEMS OF POLLUTION FROM INDUSTRY AND THE FORMER IN DEVELOPMENT OF SETTLED AREAS. SOME WESTERN DELEGATES HAVE REQUESTED GREATER COLLECTION OF DATA ON ENVIRONMENTAL PROBLEMS.

UNITED NATIONS

THE UNITED NATIONS ENVIRONMENT PROGRAMME: A BRIEF INTRODUCTION
UNITED NATIONS ENVIRONMENT PROGRAM
EPA
PM(A) ENGLISH 06/00/75 PGS 1-15 ID# 02863A

THIS BOOKLET ON THE UNITED NATIONS ENVIRONMENT PROGRAM (UNEP) PRESENTS A GENERAL DISCUSSION OF ITS HISTORY, ADMINISTRATION AND AIMS; BRIEFLY CONSIDERS THE EARTHWATCH PROGRAM AND THE ENVIRONMENT FUND; PRESENTS A RESUME OF THE UNEP-PREPARED "STATE OF THE ENVIRONMENT REPORT" FOR 1975; AND DISCUSSES THE THIRD SESSION OF THE UNEP GOVERNING COUNCIL, HELD IN NAIROBI, KENYA FROM APRIL 19 TO MAY 2, 1975. A SECTION ON MAJOR DECISIONS TAKEN DURING THAT SESSION CONSIDERS GENERAL POLICY DECISIONS, SUCH AS THE ASSERTION OF THE GENERAL INTERRELATEDNESS OF THE ISSUES OF POLLUTION, RESOURCES AND DEVELOPMENT AND THE CONCLUSION THAT THE RESOURCES OF THE ENVIRONMENT FUND SHOULD BE CONCENTRATED ON SUPPORT OF LARGE PROJECTS, AS WELL AS SPECIFIC ACTIONS SUCH AS THE ALLOCATION OF A "PLAN AND PROGRAM OF OPERATION" FOR THE UN HABITATION AND HUMAN SETTLEMENTS FOUNDATION, MOVING THE NEW FOUNDATION INTO ITS OPERATIONAL PHASE.

USSR

"SAVE NATURE." IZVESTIYA
EPA
PM(B) RUSSIAN 06/28/75 PGS 1 ID# 02838A

THIS ARTICLE HIGHLIGHTS ENVIRONMENTAL PROTECTION MEASURES IN THE USSR. DURING THE EIGHTH AND NINTH FIVE-YEAR PLANS, THE SOVIET GOVERNMENT PASSED SEVERAL RESOLUTIONS PERTAINING TO ENVIRONMENTAL PROTECTION. ALSO, AN INTERDEPARTMENTAL SCIENTIFIC-TECHNICAL COUNCIL ON COMPLEX PROBLEMS OF ENVIRONMENTAL PROTECTION AND RATIONAL USE OF NATURAL RESOURCES WAS ESTABLISHED IN THE STATE COMMITTEE FOR SCIENCE AND TECHNOLOGY OF THE COUNCIL OF MINISTERS OF THE USSR. IN A BRIEF DISCUSSION OF THE ROLE OF LOCAL GOVERNMENTS IN ENVIRONMENTAL MANAGEMENT, IT IS NOTED THAT THERE ARE THOUSANDS OF PERMANENT COMMISSIONS ON ENVIRONMENTAL PROTECTION IN CITIES AND VILLAGES.

VENEZUELA

"APRIL 9, 1975 RESOLUTION NO. G-126 ON THE CREATION OF THE DIVISIONS FOR ENVIRONMENTAL POLLUTION RESEARCH AND ENVIRONMENTAL QUALITY CONTROL." GACETA OFICIAL
EPA
RA(A) SPANISH 04/09/75 PGS 230.325 ID# 02851A
LSO PMA

IN ORDER TO BETTER COORDINATE AND DEVELOP THE ADMINISTRATIVE AND PLANNING ASPECTS OF ENVIRONMENTAL PROTECTION, THIS RESOLUTION BY THE VENEZUELAN MINISTER OF HEALTH AND SOCIAL WELFARE PROVIDES FOR THE CREATION OF THE DIVISION OF ENVIRONMENTAL POLLUTION RESEARCH AND THE DIVISION FOR ENVIRONMENTAL QUALITY CONTROL WITHIN THE MINISTRY OF HEALTH AND WELFARE. THE DIVISION OF ENVIRONMENTAL POLLUTION RESEARCH, UNDER THE MINISTRY'S DIRECTORATE OF MALARIOLOGY AND ENVIRONMENTAL SANITATION, IS RESPONSIBLE FOR DEVELOPING THE NATIONAL ENVIRONMENTAL POLLUTION RESEARCH PROGRAM. THE CONCLUSIONS, STANDARDS AND OTHER CRITERIA FORMULATED BY THE DIVISION OF ENVIRONMENTAL POLLUTION RESEARCH WILL BE ENFORCED IN PROGRAMS DEVELOPED BY THE DIVISION FOR ENVIRONMENTAL QUALITY CONTROL.

WHO

PAN AMERICAN CENTER FOR HUMAN ECOLOGY AND HEALTH. REPORT OF THE ADVISORY PANEL HELD IN MEXICO CITY, 27-31 JANUARY 1975
PAN AMERICAN HEALTH ORGANIZATION
PM(A) ENGLISH 03/15/75 PGS 1-18 EPA ID# 02873A

THIS REPORT, PREPARED BY A PANEL OF EXPERTS IN JANUARY 1975, SETS FORTH A PROGRAM OF WORK AND DEVELOPMENT FOR THE NEW PAN AMERICAN CENTER FOR HUMAN ECOLOGY AND HEALTH, RECENTLY ESTABLISHED AT THE RECOMMENDATION OF THE PAN AMERICAN HEALTH ORGANIZATION (PAHO). ADMINISTERED BY PAHO, THE CENTER WILL BE A PROGRESSIVELY GROWING INFORMATION COLLECTION AND DISSEMINATION CENTER WHOSE GOALS ARE TO DEVELOP A METHODOLOGY FOR IDENTIFYING, ANALYZING AND MONITORING HUMAN HEALTH PROBLEMS RELATED TO ENVIRONMENTAL CHANGE IN LATIN AMERICA. THE CENTER WILL COLLABORATE WITH NATIONAL GOVERNMENTS IN LATIN AMERICA IN RESOLVING AND EVENTUALLY PREVENTING HEALTH PROBLEMS RELATING TO THE ENVIRONMENT BY FORMULATING PRACTICAL GUIDELINES AND ENVIRONMENTAL HEALTH PROGRAMS FOR IMPLEMENTATION IN THE VARIOUS LATIN AMERICAN REGIONS. PROGRESSIVELY GATHERING DATA AND EXPERTISE, THE NEW CENTER WILL EVENTUALLY REPRESENT A COMPETENT COORDINATING ORGANIZATION FOR ENVIRONMENTAL ACTIVITIES IN THE LATIN AMERICAN REGION.

LAND USE

JAMAICA

"NEW GOVERNMENT OF JAMAICA INSTITUTION ESTABLISHED TO DEAL WITH ECOLOGICAL PROBLEMS." DEPT. OF STATE AIRGRAM, AMEMBASSY KINGSTON, JAMAICA, NO. A-104
U.S. DEPARTMENT OF STATE
PM(A) ENGLISH 06/12/75 PGS 1-3 EPA ID# 02864A
ALSO SE
*WATER GENERAL

SWEDEN

THE NATIONAL FOREST SURVEY. POTENTIAL USE OF DATA FOR ENVIRONMENTAL PLANNING AND RESEARCH (STATENS NATURVARDSVERK PM 603)
OHLSSON, STIG
ST( ) SWEDISH 00/00/75 PGS 1-46 EPA ID# 02878A
*GENERAL

LAND USE

SWEDEN — THE POTENTIAL USE OF ERTS-1 IMAGERY FOR ENVIRONMENT SURVEYS (STATENS NATURVARDSVERK PM 518)
SVENSSON, HARALD AND HANS-AKE OLSSON — EPA
ST( ) — SWEDISH — 00/00/74 PGS 1-31 — ID# 02886A
*GENERAL AIR

NOISE

GERMANY,FED REP OF — JAHRESBERICHT DER GEWERBEAUFSICHT FUER DAS JAHR 1973 (ANNUAL REPORT OF THE FACTORY INSPECTORATE FOR THE YEAR 1973)
BADEN-WUERTTEMBERG. MIN. OF WORK, HEALTH, SOCIAL AFFAIRS — EPA
PM(B) — GERMAN — 00/00/74 PGS 1-109 — ID# 02841A
ALSO LRB
*GENERAL AIR RADIATION

JAPAN — "KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL ORDINANCE NO. 5
EPA
LR(A) — ENGLISH — 03/12/71 PGS 4-19 — ID# 02889B
*GENERAL AIR WATER

JAPAN — "THE ENFORCEMENT REGULATION FOR THE KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL REGULATION NO. 96
EPA
LR(A) — ENGLISH — 08/20/71 PGS 20-58 — ID# 02889C
*GENERAL AIR WATER

NETHERLANDS — CENTRAL ENVIRONMENTAL MANAGEMENT SERVICE RIJNMOND. FOURTH QUARTER 1974 REPORT
EPA
PM(B) — DUTCH — 00/00/74 PGS 1-83 — ID# 02888A
*AIR

NOISE

SWEDEN

ON ANNOYANCE CAUSED BY NOISE EXPOSURE--A RELEVANCE STUDY (STATENS NATURVARDSVERK PM 590)
ARVIDSSON, OLA
EPA
ST( ) SWEDISH 00/00/75 PGS 1-144 ID# 02879A

THIS PUBLICATION DESCRIBES WORK CONDUCTED TO STUDY THE VALIDITY OF THE "REPORT OF ANNOYANCE" RELATIVE TO COMMUNITY NOISE. THIS CONCEPT REFERS TO WHAT THE SUBJECT HIMSELF SAYS ABOUT THE PRESENCE OR ABSENCE AND DEGREE OF ANNOYANCE HE FEELS AND IS A COMMON SOCIOLOGICAL METHOD OF STUDYING EFFECTS OF NOISE ON EXPOSED INDIVIDUALS. STAGES OF THE STUDY INCLUDED A) SUMMARIZING EARLIER LITERATURE PERTAINING TO EFFECTS OF NOISE ON HUMAN BEINGS AND B) VALIDITY TESTING OF REPORTS OF ANNOYANCE. THE VALIDITY TESTING CONSISTED OF 1) RELATING THE REPORT OF ANNOYANCE TO COMPILED REPORTS OF REACTIONS TO AND EFFECTS OF NOISE EXPOSURE AND 2) LABORATORY EXPERIMENTS TO DISCOVER PHYSIOLOGICAL, PERFORMANCE AND OTHER EFFECTS OF RECORDED TRAFFIC OR AIRPLANE NOISE ON TEST AND CONTROL GROUPS, AS WELL AS TO LEARN IF EFFECTS ARE DEPENDENT ON CERTAIN PSYCHO-SOCIAL FACTORS, SUCH AS MOTIVATION OR ATTITUDE. THE PUBLICATION INCLUDES AN EIGHT-PAGE LITERATURE LIST AND AN ENGLISH SUMMARY.

SWITZERLAND

"INTENSIFICATION OF EXHAUST AND NOISE PROVISIONS." NEUE ZUERCHER ZEITUNG
EPA
LR(B) GERMAN 01/14/75 PGS 33 ID# 02831A
ALSO SE
*AIR

RADIATION

GERMANY,FED REP OF

JAHRESBERICHT DER GEWERBEAUFSICHT FUER DAS JAHR 1973 (ANNUAL REPORT OF THE FACTORY INSPECTORATE FOR THE YEAR 1973)
BADEN-WUERTTEMBERG. MIN. OF WORK, HEALTH, SOCIAL AFFAIRS EPA
PM(B) GERMAN 00/00/74 PGS 1-109 ID# 02841A
ALSO LRB
*GENERAL AIR NOISE

RADIATION

SPAIN

"SPANISH NUCLEAR PLANTS. THEIR NECESSITY, SAFETY AND INFLUENCE ON THE ENVIRONMENT." ENERGIA NUCLEAR, NO. 91

EPA

PM(B) SPANISH 10/00/74 PGS 281-378 ID# 02860A

ALSO LRB, PHA, SE AND ST

THIS SPECIAL ISSUE OF "ENERGIA NUCLEAR," THE OFFICIAL BIMONTHLY PUBLICATION OF THE SPANISH NUCLEAR ENERGY BOARD, CONTAINS SEVERAL ARTICLES CONSIDERING FEATURES OF NUCLEAR ENERGY USE AND DEVELOPMENT IN SPAIN AS COMPARED WITH OTHER NATIONS. INDIVIDUAL ARTICLES DISCUSS NUCLEAR ENERGY DEMAND, THE SPANISH NUCLEAR ENERGY PROGRAM IN COMPARISON WITH PROGRAMS OF OTHER COUNTRIES, NUCLEAR ENERGY LEGISLATION IN SPAIN COMPARED WITH THAT OF THE UNITED STATES AND ITALY, APPLICATION OF STANDARDS, REGULATIONS AND SAFETY MEASURES IN NUCLEAR INSTALLATIONS, SURVEILLANCE, CONTROVERSY AND OPPOSITION TO NUCLEAR ENERGY, AND TECHNICAL ASPECTS OF ACTUAL AND POSSIBLE EFFECTS OF NUCLEAR ENERGY PLANTS ON THE ENVIRONMENT.

SOLID WASTE

GERMANY,FED REP OF

UMWELTSCHUTZ IN BADEN-WUERTTEMBERG: ABFALLBESEITIGUNG (ENVIRONMENTAL PROTECTION IN BADEN-WUERTTEMBERG: SOLID WASTE REMOVAL)
BADEN-WUERTTEMBERG. MINISTRY OF FOOD,...ENVIRONMENT EPA

PM(B) GERMAN 00/00/73 PGS 1-17 ID# 02829A

THIS BROCHURE, PUBLISHED BY THE MINISTRY OF FOOD, AGRICULTURE AND ENVIRONMENT OF THE STATE OF BADEN-WUERTTEMBERG, DISCUSSES ACCUMULATION AND REMOVAL OF SOLID WASTES IN GENERAL AND PROGRAMS IN BADEN-WUERTTEMBERG IN PARTICULAR. RESIDENTIAL AND SPECIAL WASTES ARE DEFINED, AND THE THREE MAJOR MEANS OF WASTE DISPOSAL (DUMPING, COMPOSTING, BURNING) ARE DISCUSSED. A MAJOR SECTION IS DEVOTED TO THE STATE'S LONG-TERM "WASTE REMOVAL PLAN - RESIDENTIAL WASTES," INITIATED IN 1971 AND PRESENTED TO AFFECTED GROUPS IN DRAFT FORM IN 1973 FOR DISCUSSION. PLANS FOR HANDLING SPECIAL WASTES, INCLUDING A GOVERNMENT-SPONSORED COMPANY FOR THIS PURPOSE, ARE ALSO CONSIDERED. FINAL PAGES OF THE PAMPHLET DEAL WITH RECYCLING AND REDUCING THE WASTE POTENTIAL OF INITIAL PRODUCTS. WASTE REMOVAL OBLIGATIONS ARE DEFINED BY THE FEDERAL GOVERNMENT'S JUNE 1972 WASTE REMOVAL LAW AND BY BADEN-WUERTTEMBERG'S MARCH 1972 SOLID WASTE LAW.

ITALY

"LANDSCAPE TRANSFORMED BY REFUSE IN VIENNA." CORRIERE DELLA SERA
CEDERNA, ANTONIO
EPA

PM(B) ITALIAN 04/15/75 PGS 5 ID# 02844A

THIS ARTICLE DISCUSSES THE PROBLEMS ASSOCIATED WITH THE DISPOSAL OF REFUSE IN ITALY, WHERE 70 TO 80 PERCENT OF ALL SOLID WASTE DISPOSAL CONTINUES TO TAKE PLACE IN UNCONTROLLED OPEN DUMPS. THE AUTHOR EXAMINES AND OFFERS AS A POSSIBLE SOLUTION, THE METHOD ADOPTED IN VIENNA, AUSTRIA, WHERE WASTE SUBSTANCES ARE BEING EMPLOYED IN A LAND RECLAMATION PROGRAM WHICH HAS THUS FAR RECOVERED 70 HECTARES OF GREEN SPACES. ALSO CONSIDERED IN THE ARTICLE IS THE GELSENKIRCHEN PROJECT IN GERMANY, WHICH COMBINES LAND RECLAMATION AND RECOVERY OF RESOURCES AT THE DISPOSAL SITE.

ITALY "IT IS USELESS TO BURN REFUSE WHICH CAN BE RECLAIMED." CORRIERE DELLA SERA
EPA
PM(B) ITALIAN 04/10/75 PGS 8 ID# 02847A

IN ITS REPORT ON THE "ITALIA NOSTRA" CONFERENCE ON THE FIGHT AGAINST WASTE, THIS ARTICLE DISCUSSES A NUMBER OF NEW SOLUTIONS WHICH ARE BEING CONSIDERED IN MILAN TO DEAL WITH THE STEADILY GROWING PROBLEM OF URBAN REFUSE. INCINERATION, THE TRADITIONAL SYSTEM OF WASTE TREATMENT, HAS RECENTLY BEEN SUBJECTED TO CRITICISM. AS THE PRESIDENT OF THE AGROBIOLOGICAL RESEARCH CENTER OF BOLOGNA STATED DURING THE COURSE OF THE CONFERENCE, URBAN WASTE HAS COME TO BE LOOKED UPON AS A NEW RESOURCE AND ALTERNATIVE MODES OF MANAGEMENT ARE CONSEQUENTLY BEING DEVISED. THE FRENCH AND BRITISH ALTERNATIVE OF SELECTIVE COLLECTION AND RECOVERY IS RECEIVING THE ATTENTION OF MUNICIPAL AUTHORITIES ALONG WITH THE POSSIBILITY OF ECONOMIC INCENTIVES. ALSO UNDER STUDY AT THIS TIME IS THE PROCESS OF BIOCONVERSION CURRENTLY EMPLOYED AT THE AGROBIOLOGICAL CENTER.

JAPAN "ILLEGAL WASTE DUMPING INCREASES." JAPAN TIMES
EPA
LR(B) ENGLISH 07/11/75 PGS 2 ID# 02871A
*WATER

OECD ECONOMIC IMPLICATIONS OF POLLUTION CONTROL: A GENERAL ASSESSMENT
(OECD STUDIES IN RESOURCE ALLOCATION, NO. 1)
OECD
EPA
SE( ) ENGLISH 02/00/74 PGS 1-78 ID# 02869A
*GENERAL AIR WATER

SWEDEN NATIONAL SOLUTIONS TO SOLID WASTE PROBLEMS (CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 59)
EMMELIN, LARS
EPA
PM(B) ENGLISH 01/00/75 PGS 1-5 ID# 02843A

THIS PUBLICATION DISCUSSES SOLUTIONS TO SOLID WASTE PROBLEMS PROPOSED BY A GROUP OF EXPERTS RECENTLY APPOINTED BY THE MINISTRY OF AGRICULTURE. LARGE-SCALE RECIRCULATION PROGRAMS RUN BY THE MUNICIPALITIES ARE RECOMMENDED TO UTILIZE THE RESOURCE POTENTIAL OF HOUSEHOLD REFUSE. THE RECLAMATION OF GLASS, PAPER, METAL AND TEXTILES WOULD REQUIRE, AMONG OTHER THINGS, SEPARATION OF PAPER FROM OTHER TRASH BY HOUSEHOLDERS. ANOTHER PROGRAM WOULD IMPOSE A LEVY ON NEW CARS TO BE RETURNED TO THE LAST OWNER OF THE CAR WHEN HE TURNED IT IN AT AN AUTHORIZED AUTO SCRAPPING YARD. THE SCRAPPING YARDS THEMSELVES WOULD BE LICENSED BY THE COUNTY GOVERNMENT TO ENSURE PROPER FACILITIES FOR DISPOSAL OF CARS WHICH CANNOT BE SOLD FOR USED PARTS. TO FACILITATE RECIRCULATION, DEPOSITION, AND HOLDING OF DANGEROUS CHEMICAL WASTES, FORMATION OF JOINT COMPANIES COMPOSED OF NATIONAL AND MUNICIPAL GOVERNMENT AND INDUSTRY IS PROPOSED. THE HANDLING AND TRANSPORTATION OF CHEMICAL WASTES WOULD ALSO BE REGULATED.

SOLID WASTE

SWEDEN

"REFUSE REMOVAL LEGISLATION'S APPLICATION." STATENS NATURVARDSVERK PUBLIKATION 1972:3
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD

PM(B) SWEDISH 00/00/72 PGS 1-31 EPA ID# 02865A
ALSO LRB

THIS PUBLICATION DETAILS THE RESPONSIBILITIES OF VARIOUS GOVERNMENTAL JURISDICTIONS FOR COLLECTION AND DISPOSAL OF REFUSE AND REMOVAL OF LITTER AS WELL AS THE LEGISLATIVE BASES FOR THESE RESPONSIBILITIES. INDIVIDUAL CHAPTERS EXPLAIN THE BACKGROUND OF CURRENT PROVISIONS, DEFINE TERMINOLOGY, AND DISCUSS RESPONSIBILITY FOR REFUSE COLLECTION AND DISPOSAL AND LITTER REMOVAL. ALSO CONSIDERED IN SEPARATE CHAPTERS ARE THE RESPONSIBILITY FOR REFUSE REMOVAL OF 1) THE NATIONAL GOVERNMENT, 2) THE MUNICIPALITY, 3) PROPERTY OWNERS. FURTHER SECTIONS TREAT MUNICIPAL REFUSE REMOVAL MONOPOLIES, REGIONAL COOPERATION IN MATTERS OF REFUSE REMOVAL, AND APPEAL FROM A JURISDICTION'S DECISIONS RELATIVE TO REFUSE AND LITTER PROBLEMS. THE BOOKLET INCLUDES A FINAL SUMMARY.

SWITZERLAND

"STATUS OF WATER PROTECTION AND SOLID WASTE REMOVAL." NEUE ZUERCHER ZEITUNG

PM(B) GERMAN 05/12/75 PGS 13 EPA ID# 02846A
*WATER

TOXIC SUBS

SWEDEN

INFLUENCE OF ROADS ON THE SURROUNDING NATURE - A LITERATURE SURVEY (STATENS NATURVARDSVERK PM 476)
KNUTSSON, GERT AND OTHERS

ST( ) SWEDISH 00/00/74 PGS 1-109 EPA ID# 02877A
WATER

THIS LITERATURE SURVEY WAS COMPILED AS THE INITIAL PHASE OF A PROJECT TO QUANTIFY THE INFLUENCE OF ROADS ON SURROUNDING NATURE, PRIMARILY PLANTS AND ANIMAL LIFE, SOIL AND WATER. IT CONSISTS OF FIVE SELF-CONTAINED SECTIONS, EACH WITH A COMPREHENSIVE BIBLIOGRAPHY, SUMMARIZING THE INFORMATION DISCUSSED IN THE LITERATURE SURVEYED. THESE SECTIONS TREAT THE FOLLOWING TOPICS: 1) GENERAL DESCRIPTION OF POLLUTION FROM ROADS; 2) ACCUMULATION AND DISTRIBUTION OF HEAVY METALS, MAINLY LEAD, IN SOIL AND VEGETATION ALONG ROADS; 3) EFFECTS OF ROAD SALT ON SOIL AND VEGETATION; 4) EFFECTS OF ROADS ON SURFACE AND GROUNDWATER; AND 5) EFFECTS OF ROADS AND TRAFFIC ON FAUNA. THE LAST 20 PAGES CONSIST OF BRIEF ENGLISH SUMMARIES OF THE SEVERAL SECTIONS ALONG WITH TABLES AND FIGURES.

SWEDEN
SOME EFFECTS OF ZINC ON DIFFERENT STATES IN THE LIFE HISTORY OF THE MINNOW, PHOXINUS PHOXINUS L. (PISCES) (STATENS NATURVARDSVERK PM 570)
BENGTSSON, BENGT-ERIK EPA
ST( ) ENGLISH 00/00/75 PGS 1-56 ID# 02880A
WATER

THIS PUBLICATION DESCRIBES EXPERIMENTS CONDUCTED FROM AUGUST 1971 TO FEBRUARY 1973 TO DISCOVER THE LONG-TERM EFFECTS OF ZINC ON MINNOWS. SEPARATE STUDIES WERE PERFORMED ON FOUR DIFFERENT AGE CATEGORIES OF FISH. OBSERVATIONS WERE MADE TO DETERMINE THE EFFECT OF ZINC ON MINNOWS RELATIVE TO VERTEBRAL DAMAGE, MOVEMENT PATTERN, MORTALITY, REPRODUCTION, GROWTH AND SWIMMING PERFORMANCE. EXPERIMENTS WERE PARTLY FINANCIALLY SUPPORTED BY SWEDEN'S NATIONAL ENVIRONMENT PROTECTION BOARD. THE INTRODUCTORY DISCUSSION IS BASED ON FIVE PREVIOUSLY PUBLISHED SCIENTIFIC PAPERS BY DR. BENGTSSON, WHICH ARE REPRINTED IN THE SECOND HALF OF THE PUBLICATION. THE EXPERIMENTS HAVE WIDER APPLICATION IN REGARD TO THE LETHAL EFFECT OF VARIOUS WATER POLLUTANTS ON DIFFERENT ANIMAL SPECIES.

SWEDEN
MERCURY IN LAKE VANERN - PRESENT STATUS AND PROGNOSIS (STATENS NATURVARDSVERK PM 563)
HAKANSON, LARS EPA
ST( ) SWEDISH 00/00/75 PGS 1-121 ID# 02881A
*WATER

SWEDEN
EFFECTS OF HEAVY METAL POLLUTION ON DECOMPOSITION IN FOREST SOILS (STATENS NATURVARDSVERK PM 443 E AND PM 542 E)
TYLER, GERMUND EPA
ST( ) ENGLISH 00/00/75 PGS 1-68 ID# 02883A

THIS PUBLICATION DESCRIBES TWO PHASES OF A STUDY PERTAINING TO THE EFFECTS OF HEAVY METAL POLLUTION ON DECOMPOSITION IN FOREST SOILS. EACH OF THE TWO SECTIONS IN THE PUBLICATION, SEPARATELY PAGINATED, WAS PREVIOUSLY TREATED IN AN INDIVIDUAL BOOKLET PUBLISHED BY THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD. PART I, TITLED "INTRODUCTORY INVESTIGATIONS," DISCUSSES STUDIES OF NITROGEN MINERALIZATION AND THE EFFECTS OF ORGANIC SUBSTRATES ON CARBON DIOXIDE EVOLUTION IN SPRUCE MOR SAMPLES COLLECTED IN THE VICINITY OF GUSUM, OSTERGOTLAND, AN AREA POLLUTED BY HEAVY METALS, PARTICULARLY COPPER AND ZINC, FROM A BRASSWORKS. PART II, TITLED "DECOMPOSITION RATE, MINERALIZATION OF NITROGEN AND PHOSPHORUS, SOIL ENZYMATIC ACTIVITY," DISCUSSES STUDIES OF THESE PROCEDURES CONDUCTED ON THE PURELY ORGANIC MOR LAYER OF THE SPRUCE FOREST NEAR GUSUM. EACH SECTION INCLUDES DISCUSSION OF METHODS, RESULTS AND CONCLUSIONS, TOGETHER WITH REFERENCE LISTS, TABLES AND DIAGRAMS.

TOXIC SUBS

SWEDEN

IDENTIFICATION OF SOME ORGANIC SUBSTANCES POTENTIALLY HARMFUL TO THE ENVIRONMENT (STATENS NATURVARDSVERK PM 520)
JENSEN, SOREN
EPA
ST( ) ENGLISH 00/00/74 PGS 1-127 ID# 02885A
WATER

THIS SURVEY IS CONCERNED WITH IDENTIFYING MAN-MADE CHEMICALS OR THEIR PRODUCTS IN NATURE AND SEEKS TO DEVELOP SYSTEMATIC GUIDELINES FOR SELECTION OF SAMPLES USEFUL IN THE IDENTIFICATION OF SUCH UNKNOWN SUBSTANCES IN THE ENVIRONMENT. THE DISCUSSION IS DIVIDED INTO FOUR CATEGORIES: 1) THE SEARCH FOR FOREIGN SUBSTANCES (PCB, DDT AND THEIR METABOLITES) IN NATURAL SAMPLES, 2) LABORATORY EXPERIMENTS TO INVESTIGATE METABOLISM OF KNOWN SUBSTANCES (DDT, PCB AND MERCURY), 3) SEARCH FOR IMPURITIES IN TECHNICAL PRODUCTS (PENTACHLOROPHENOL), AND 4) INVESTIGATION OF A MODEL SYSTEM FOR USE IN SEARCHING FOR UNKNOWN POTENTIAL POLLUTANTS BEFORE THEY REACH THE ENVIRONMENT. THE DISCUSSION IN THE FIRST HALF OF THE PUBLICATION IS BASED ON EIGHT TECHNICAL PAPERS, WHICH ARE REPRINTED IN THE SECOND HALF OF THE PUBLICATION.

SWEDEN

BREEDING SUCCESS OF RAZORBILL IN THE ARCHIPELAGO OF STOCKHOLM IN RELATION TO EGGSHELL THICKNESS AND LEVELS OF DDT, PCB AND MERCURY IN EGGS (STATENS NATURVARDSVERK PM 483)
ANDERSSON, AKE, TJELVAR ODSJO AND MATS OLSSON
EPA
ST( ) SWEDISH 00/00/74 PGS 1-30 ID# 02887A

THIS STUDY REPORTS HIGH LEVELS OF DDT AND PCB SUBSTANCES IN RAZORBILL EGGS COLLECTED FROM SWEDISH BALTIC BREEDING AREAS FROM 1970-1972. THE EGGS ALSO HAD SIGNIFICANTLY THINNER SHELLS THAN EGGS FROM THE PERIOD 1861-1970, PRESUMABLY DUE TO THE ACCUMULATION OF DDT IN THE RAZORBILL. HOWEVER INVESTIGATIONS OF RAZORBILLS IN THE ARCHIPELAGO OF STOCKHOLM SHOWED NO OBVIOUS EFFECTS OF DETECTED SUBSTANCES AND THINNER EGG SHELLS ON REPRODUCTIVE SUCCESS, AND BREEDING SUCCESS WAS JUDGED GOOD. SECTIONS OF THE REPORT DEAL WITH: 1) CONTENT OF DDT AND PCB SUBSTANCES, TOGETHER WITH MERCURY, IN RAZORBILL EGGS IN RELATION TO FOOD, 2) INVESTIGATION OF SHELL THICKNESS OF RAZORBILL EGGS, AND 3) PRODUCTIVE-ECOLOGICAL INVESTIGATIONS. THE PUBLICATION INCLUDES AN ENGLISH SUMMARY, A BIBLIOGRAPHY, AND SEVERAL PAGES OF TABLES AND FIGURES.

WATER

COUNCIL OF EUROPE

"LEGAL ASPECTS AND UNIFIED ACTION IN THE EUROPEAN CONFERENCE ON WATER PROTECTION." AGUA, NO. 87
LINATI BOACH, JOSE A.
EPA
LR(B) SPANISH 12/00/74 PGS 10-15 ID# 02848A
ALSO PMB

IN VIEW OF THE EUROPEAN WATER PROTECTION CONFERENCE SPONSORED BY THE COUNCIL OF EUROPE IN STRASBOURG, FRANCE IN OCTOBER 1974, THIS MAGAZINE ARTICLE COMPARES DIFFERENT APPROACHES TO WATER LEGISLATION AND ADMINISTRATION IN MEMBER COUNTRIES OF THE COUNCIL OF EUROPE: AUSTRIA, BELGIUM, DENMARK, FRANCE, NORWAY, NETHERLANDS, WEST GERMANY, SWITZERLAND, ENGLAND, AND SWEDEN. THE STRONG POINTS AND DEFICIENCIES OF WATER LAWS ARE DISCUSSED AS WELL AS THE METHODOLOGY AND CIVIL, PENAL, AND ADMINISTRATIVE ASPECTS OF THESE LAWS. THE POSSIBLE INTERNATIONAL ADOPTION OF SOME OF THE MEASURES AND CONCEPTS OF NATIONAL LAWS IS ALSO PROJECTED. THE RELATIVE RECENCY OF WATER PROTECTION MEASURES HAS REFLECTED THE RAPID DETERIORATION OF WATER RESOURCES. DESPITE THE MANY LAWS, WATER-USE PLANNING IS STILL DEFICIENT IN SEVERAL ASPECTS, ESPECIALLY ON THE INTERNATIONAL LEVEL. COUNCIL OF EUROPE ACTIONS TO REMEDY THESE SHORTCOMINGS ARE SUMMARIZED AND SEEN TO REPRESENT A SUBSTANTIAL STEP IN FORMULATING AN INTERNATIONAL WATER PROTECTION POLICY.

WATER

FINLAND — THE PRINCIPLES OF WATER POLLUTION CONTROL UP TO 1985

EPA

PM(B) — ENGLISH — 00/00/74 — PGS 1-39 — ID# 02859A
ALSO SE

THIS PUBLICATION OF THE FINNISH NATIONAL BOARD OF WATERS SETS FORTH OBJECTIVES AND GENERAL GUIDELINES FOR CONTROLLING ALL TYPES OF WATER POLLUTION IN FINLAND UP TO 1985. CHAPTER 1, ENTITLED "THE NEED FOR WATER POLLUTION CONTROL," DESCRIBES THE CURRENT STATUS OF WATER POLLUTION IN THE COUNTRY. CHAPTER 2 DISCUSSES GENERAL OBJECTIVES OF WATER POLLUTION CONTROL UP TO 1985, INCLUDING OBJECTIVES FOR WATER QUALITY AND USE. CHAPTER 3 DISCUSSES PLANS AND METHODS TO BE USED IN IMPLEMENTING POLLUTION CONTROL OBJECTIVES IN INDUSTRY, URBAN DEVELOPMENT, WASTEWATER SYSTEMS, WATER COURSE RESTORATION AND OTHER ACTIVITIES. CHAPTER 4 DISCUSSES THE FINANCING OF WATER POLLUTION CONTROL MEASURES, AND CHAPTER 5 ESTIMATES THE FUTURE EFFECTS PRODUCED BY WATER POLLUTION CONTROL MEASURES.

FRANCE — "DRAFT LAW ON THE DISPOSAL OF WASTES." LE MONDE
WEISENHORN, PIERRE

EPA

LR(B) — FRENCH — 06/25/75 — PGS 35 — ID# 02858A

THIS ARTICLE DISCUSSES THE AMENDMENT TO THE BILL ON WASTE DISPOSAL CONCERNING THE RECOVERY OF HOT WATER PRODUCED AS A BY-PRODUCT OF VARIOUS INDUSTRIAL PROCESSES. THE AMENDMENT, WHICH RECENTLY RECEIVED NATIONAL ASSEMBLY APPROVAL, REPRESENTS A SIGNIFICANT INNOVATION FOR FRENCH ENERGY POLICY AND A BOON FOR ENVIRONMENTAL CONSERVATIONISTS. THE HOT DISCHARGES, WHICH CONSTITUTE A FORM OF THERMAL POLLUTION, COULD IF STORED AND TRANSPORTED MEET THE HOT WATER REQUIREMENTS OF NEIGHBORING COMMUNITIES. SUCH DUAL-PURPOSE POWER STATIONS ARE PRESENTLY IN OPERATION BOTH IN SWEDEN AND THE U.S.S.R. THE FRENCH AMENDMENT UNDER SENATE REVIEW WOULD EXTEND THE SCOPE OF RECOVERY EFFORTS TO ALL INDUSTRIAL INSTALLATIONS.

FRANCE — "JULY 31, 1974 CIRCULAR ON NUISANCES ORIGINATING FROM NITRIC ACID PLANTS."
POLLUTION ATMOSPHERIQUE, NO. 65

EPA

LR(A) — FRENCH — 01/00/75 — PGS 59-60 — ID# 02890B
*AIR

WATER

INTERNATIONAL "A 'BLACK LIST' OF THE RHINE COMMISSION." FRANKFURTER ALLGEMEINE ZEITUNG
EPA
PM(B) GERMAN 04/30/75 PGS I ID# 02833A

THIS ARTICLE STATES THAT THE RHINE COMMISSION, COMPOSED OF THE FEDERAL REPUBLIC OF GERMANY, FRANCE, LUXEMBURG, THE NETHERLANDS, AND SWITZERLAND, HAS DRAWN UP A SUGGESTED LIST OF DANGEROUS CHEMICALS, FOR WHICH DISCHARGE INTO THE RHINE IS: FULLY FORBIDDEN (BLACK LIST), LIMITED (GREY LIST), OR PERMITTED ONLY UNDER CERTAIN CONDITIONS (YELLOW LIST). THE BLACK LIST INCLUDES ORGANIC HALOGEN AND SILICONE COMPOUNDS, PESTICIDES, SUSPECTED CARCINOGENIC SUBSTANCES, MERCURY AND CADMIUM COMPOUNDS. ON THE GREY LIST ARE SUBSTANCES WHICH MAY GIVE WATER AN UNPLEASANT TASTE OR SMELL; PETROLEUM, METALS, METALLIC ELEMENTS AND THEIR COMPOUNDS; CYANIDES AND FLUORIDES; AND PLANT POISONS AND DERIVATIVES NOT ON THE BLACK LIST. THE YELLOW LIST CONTAINS SUBSTANCES WHICH MAY DETRIMENTALLY ALTER WATER AND WHOSE CONCENTRATIONS MUST BE CLOSELY WATCHED, FOR EXAMPLE, OXYGEN-REDUCING AGENTS. GERMANY'S CHEMICAL INDUSTRY HAS SAID ADOPTION OF SOME OF THE LIMITATIONS IN THEIR PRESENT FORM IS TECHNICALLY INFEASIBLE, CHEMICALLY UNREALISTIC, AND MIGHT CAUSE MASSIVE INDUSTRY SHUTDOWNS.

INTERNATIONAL "CONTENT AND IMPORTANCE OF THE STRASBOURG CONFERENCE." AGUA, NO. 87
FORONDA, MANUEL DE
EPA
PM(B) SPANISH 12/00/74 PGS 16-19 ID# 02842A
ALSO SE

THIS MAGAZINE ARTICLE SUMMARIZES THE TOPICS OF THE WATER PROTECTION CONFERENCE HELD BY THE EUROPEAN WATER PROTECTION FEDERATION IN STRASBOURG, FRANCE, IN OCTOBER 1974. SOME OF THE PREVIOUS DEVELOPMENTS IN EUROPEAN WATER PROTECTION ARE CITED, AND THE PAPERS PRESENTED AT THE CONFERENCE ARE MENTIONED. CONCLUSIONS OF THE CONFERENCE INDICATE THAT THERE IS AN INADEQUATE PROTECTION OF EUROPEAN WATER RESOURCES, A PROBLEM AGGRAVATED BY A GENERAL LACK OF PUBLIC INTEREST AND INVOLVEMENT. THE FINAL DECLARATION OF THE CONFERENCE IS REPRINTED RECOMMENDING UNIFIED ACTION TO SUPPLEMENT NATIONAL EFFORTS IN HALTING THE CONTINUING DETERIORATION OF WATER RESOURCES. THIS RECOMMENDED ACTION INCLUDES DEVELOPMENT OF A EUROPEAN SURVEILLANCE NETWORK, ELABORATION OF JOINT RESEARCH, BETTER ADMINISTRATIVE COLLABORATION AMONG EUROPEAN COUNTRIES IN WATER DEVELOPMENT AND USE MATTERS, LONG RANGE STUDIES ON THE ECONOMIC EFFECTS OF WATER POLLUTION, ESTABLISHMENT OF INTERNATIONAL LEGAL RECOURSES, AND THE CREATION OF A CENTRAL COORDINATING AGENCY IN THESE MATTERS.

INTERNATIONAL GROUNDWATER POLLUTION IN EUROPE: PROCEEDINGS OF A CONFERENCE ORGANIZED BY THE WATER RESEARCH ASSOCIATION IN READING, ENGLAND, SEPTEMBER 1972
COLE, JOHN A., EDITOR
EPA
PM(B) ENGLISH 0 PGS 47 ID# 02862A
ALSO LR AND ST

THIS PUBLICATION OF THE WATER INFORMATION CENTER, INC. OF NEW YORK CONTAINS THE PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON GROUNDWATER POLLUTION ORGANIZED BY THE WATER RESEARCH ASSOCIATION IN READING, ENGLAND IN 1972. THE PAPERS PRESENTED AT THIS CONFERENCE REPRESENT THE FIRST COMPREHENSIVE REVIEW OF THE CHEMICAL, HYDROGEOLOGICAL, MICROBIOLOGICAL AND LEGAL ASPECTS OF GROUNDWATER POLLUTION THROUGHOUT EUROPE, ALTHOUGH THE MAJORITY OF PAPERS REPRESENT BRITISH SOURCES. SEVERAL CASE STUDIES CONTAINED IN THE PUBLICATION ILLUSTRATE THE LEGAL AND TECHNICAL ASPECTS OF GROUNDWATER POLLUTION CONTROL, AND AN EXTENSIVE BIBLIOGRAPHY ON GROUNDWATER POLLUTION IS GIVEN. EXTRACTS ON GROUNDWATER POLLUTION AND THE CONFERENCE DELEGATES ARE ALSO LISTED.

WATER

INTERNATIONAL

SE( )

"CONTROL OF WATER POLLUTION IN EUROPE." WASSER, LUFT UND BETRIEB, NO. 1
EPA
GERMAN 01/00/75 PGS 18 ID# 02832A
*GENERAL

JAMAICA

PM(A)

"NEW GOVERNMENT OF JAMAICA INSTITUTION ESTABLISHED TO DEAL WITH ECOLOGICAL PROBLEMS." DEPT. OF STATE AIRGRAM, AMEMBASSY KINGSTON, JAMAICA, NO. A-104
U.S. DEPARTMENT OF STATE
EPA
ENGLISH 06/12/75 PGS 1-3 ID# 02864A
ALSO SE
GENERAL LAND USE

THIS REPORT, PREPARED BY AMERICAN EMBASSY PERSONNEL IN KINGSTON, JAMAICA, CITES A PARLIAMENTARY PAPER INTRODUCED BY THE JAMAICAN MINISTER OF MINING AND NATURAL RESOURCES, PROPOSING LEGISLATION TO CREATE THE NATURAL RESOURCES CONSERVATION AUTHORITY. THIS AUTHORITY, TO BE ESTABLISHED BY THE AMALGAMATION OF SIX EXISTING ENVIRONMENTAL AND CONSERVATION AGENCIES, WILL BE RESPONSIBLE FOR ADVISING THE MINISTER IN ENVIRONMENTAL MATTERS PERTAINING TO PUBLIC EDUCATION IN ENVIRONMENTAL APPRECIATION, FORMULATION OF ENVIRONMENTAL POLICIES AND STANDARDS, REVIEW OF ECOLOGICALLY RELEVANT DEVELOPMENTAL PROPOSALS, PROGRAMS FOR CONSERVATION OF NATURAL RESOURCES, AND COLLECTION AND DISSEMINATION OF PERTINENT ECOLOGICAL DATA. THE CIVIL SERVICE STAFF OF THIS AUTHORITY WILL BE ORGANIZED INTO THE FOLLOWING SECTIONS: RECREATION AND CONSERVATION DIVISION, WATERSHED ENGINEERING DIVISION, AQUATIC RESOURCES DIVISION, TWO RESOURCE MANAGEMENT DIVISIONS, AND AN ADMINISTRATIVE DIVISION.

JAPAN

LR(B)

"ILLEGAL WASTE DUMPING INCREASES." JAPAN TIMES
EPA
ENGLISH 07/11/75 PGS 2 ID# 02871A
SOLID WASTE

CITING SOME OF THE RESULTS OF A NATIONWIDE CAMPAIGN OF THE JAPANESE NATIONAL POLICE AGENCY AGAINST ILLEGAL DISCHARGES OF INDUSTRIAL WASTES, THIS ARTICLE REPORTS THAT THE 905 CASES OF UNLAWFUL DUMPING UNCOVERED IN MAY AND JUNE OF 1975 EQUAL ALMOST HALF THE TOTAL NUMBER OF CASES DISCOVERED IN 1974. THE INCREASE IN ILLEGAL DUMPING OF SLUDGE, OIL AND OTHER INDUSTRIAL WASTES INDICATES A DEFICIENCY IN THE LAW CONTROLLING INDUSTRIAL WASTE DISPOSAL. ONE WEAKNESS POINTED OUT IN THE LAW IS THE INEFFECTIVE, UNIFORM FINE OF 50,000 YEN PER CASE OF ILLEGAL DUMPING REGARDLESS OF THE SERIOUSNESS OF THE CRIME. ANOTHER AREA OF INDUSTRIAL WASTE DISPOSAL ESCAPING ADEQUATE CONTROL IS THE DUMPING OF WASTES BY INDUSTRIALISTS ON LANDS THEY OWN UNDER THE PRETEXT OF TEMPORARILY STORING THE WASTES IN QUESTION. THE ARTICLE FURTHER REPORTS THAT THERE ARE 3,000 UNLICENSED PERSONS IN JAPAN WHO COLLECT AND DISPOSE OF INDUSTRIAL WASTES FOR A FEE AND WHO ANNUALLY DISPOSE OF AN ESTIMATED 30 MILLION TONS OF WASTES IN AN ILLEGAL MANNER.

WATER

JAPAN "KAGAWA PREFECTURE FISH FARMERS SUE GOVERNMENTS, FIRMS OVER RED TIDE." JAPAN TIMES

LR(B) ENGLISH 07/11/75 PGS 2 EPA ID# 02872A
ALSO SE

CLAIMING INDUSTRIAL AND DOMESTIC WASTES AS THE CAUSES OF A RED TIDE WHICH KILLED 5.5 MILLION FISH IN FISH FARMS OF KAGAWA PREFECTURE, 72 OPERATORS OF THESE FARMS ARE, ACCORDING TO THIS ARTICLE, SUING THE NATIONAL AND LOCAL GOVERNMENTS AS WELL AS TEN INDUSTRIAL FIRMS FOR 2,061 MILLION YEN IN DAMAGES. THIS IS THE SECOND SUIT FILED OVER DAMAGE DONE BY THE RED TIDE WHICH OCCURRED IN THE SEA OF HARIMA IN 1972 DURING WHICH 14 MILLION YELLOWTAIL FISH WERE KILLED. THE SUIT, REGARDING THE SEA AS PUBLIC PROPERTY, NAMES THE NATIONAL GOVERNMENT AS A DEFENDANT UNDER THE NATIONAL REDRESS LAW FOR ALLOWING FAULTS OF PUBLIC PROPERTY TO CAUSE DAMAGE TO INDIVIDUALS. THE HYOGO PREFECTURAL GOVERNMENT IS NAMED AS A DEFENDANT FOR LACK OF ADEQUATE ADMINISTRATIVE CONTROL OVER INDUSTRIAL POLLUTION, AND TWO MUNICIPAL GOVERNMENTS AND 10 INDUSTRIAL FIRMS ARE CITED FOR DISCHARGING WASTES INTO THE SEA.

JAPAN "AGENCY SEEKS STRONGER SEA POLLUTION CURBS." JAPAN TIMES

LR(B) ENGLISH 07/13/75 PGS 2 EPA ID# 02875A

CITING JAPANESE SEA POLLUTION STATISTICS AND POLLUTION-RELATED DAMAGES TO THE JAPANESE FISHING INDUSTRY, THIS ARTICLE REPORTS ON RECOMMENDATIONS MADE BY THE JAPANESE ADMINISTRATIVE MANAGEMENT AGENCY FOR STRONGER SEA POLLUTION CURBS AND MORE EFFICIENT COORDINATION AMONG THE VARIOUS AGENCIES RESPONSIBLE FOR CONTROLLING SEA POLLUTION. THE METEOROLOGICAL AGENCY, THE FISHERY AGENCY, THE MARITIME SAFETY AGENCY AND THE ENVIRONMENT AGENCY HAVE BEEN CALLED ON TO IMPROVE METHODS FOR SURVEYING AND COPING WITH WASTE OIL FROM SHIPS AND OTHER SOURCES. SPECIFIC RECOMMENDATIONS INCLUDE SETTING STANDARDS FOR BILGE WATER DISCHARGES FROM SHIPS WEIGHING LESS THAN 300 TONS, REQUIRING LARGE SHIPS TO INSTALL MACHINES TO CONTROL THE DISCHARGE OF BILGE WATER AND BALLAST WATER, LENGTHENING FLIGHT RANGES OF TANKER SURVEILLANCE AIR CRAFT, AND COORDINATING THE SEA POLLUTION SURVEYS BEING CONDUCTED BY VARIOUS GOVERNMENT AGENCIES.

JAPAN "KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL ORDINANCE NO. 5

LR(A) ENGLISH 03/12/71 PGS 4-19 EPA ID# 02889B
*GENERAL AIR NOISE

JAPAN "THE ENFORCEMENT REGULATION FOR THE KANAGAWA PREFECTURAL ORDINANCE FOR THE CONTROL OF POLLUTION." KANAGAWA PREFECTURAL REGULATION NO. 96

LR(A) ENGLISH 08/20/71 PGS 20-58 EPA ID# 02889C
*GENERAL AIR NOISE

OECD ECONOMIC IMPLICATIONS OF POLLUTION CONTROL: A GENERAL ASSESSMENT (OECD STUDIES IN RESOURCE ALLOCATION, NO. 1)
OECD

SE( ) ENGLISH 02/00/74 PGS 1-78 EPA ID# 02869A
*GENERAL AIR SOLID WASTE

ROMANIA "CONTRAVENING THE WATER LAW." ROMANIA LIBERA

LR(B) ROMANIAN 05/30/75 PGS 3 EPA ID# 02866A
ALSO SE

THIS ARTICLE CONCERNS THE FAILURE OF INDUSTRIAL ENTERPRISES IN ROMANIA TO IMPLEMENT PROVISIONS OF THE COUNTRY'S WATER PROTECTION LAW BY BUILDING WATER PURIFICATION FACILITIES. THE DISTRICT OF HUNEDOARA IS CITED AS HAVING PLANNED ON LARGE INVESTMENTS FOR WATER PURIFICATION INSTALLATIONS, BUT FEW RESULTS ARE APPARENT. SPECIFIC INDUSTRIAL ESTABLISHMENTS ARE NOTED AS HAVING INCOMPLETE OR INEFFECTIVE PURIFICATION SYSTEMS. THE ARTICLE CONCLUDES THAT FUNDS DESIGNATED FOR WATER PROTECTION PROJECTS DO NOT SEEM TO BE USED FOR THAT PURPOSE.

SOUTH AFRICA "WATER POLLUTION LEGISLATION: SUMMARY OF MARINE POLLUTION LEGISLATION IN SOUTH AFRICA." ENVIRONMENT RSA
SOUTH AFRICA. DEPARTMENT OF PLANNING AND THE ENVIRONMENT EPA

LR(B) ENGLISH 12/00/74 PGS 4-5 ID# 02870A

THIS CHART PRESENTS BRIEF SUMMARIES OF THE FOLLOWING SOUTH AFRICAN LAWS DEALING WITH POLLUTION OF MARINE WATERS: SEA FISHERIES ACT NO. 58 OF 1973; PREVENTION AND COMBATING POLLUTION OF THE SEA BY OIL ACT NO. 67 OF 1971; PUBLIC HEALTH ACT NO. 36 OF 1919; WATER ACT NO. 54 OF 1956; NATAL ORDINANCE OF 1958; SEA AND SEASHORE ACT NO. 21 OF 1935; CAPE PROVINCE ORDINANCE NO. 19 OF 1951 ON MUNICIPAL GOVERNMENT; AND NATAL ORDINANCE NO. 21 OF 1942 ON LOCAL GOVERNMENT. FOR EACH PIECE OF LEGISLATION COVERED THE FOLLOWING INFORMATION IS GIVEN: AREAS OF RESPONSIBILITY COVERED, THE GOVERNMENT DEPARTMENT OR BODY RESPONSIBLE FOR IMPLEMENTATION, AND PENALTIES SPECIFIED IN THE LEGISLATION.

SWEDEN

"IVL - AN INSTRUMENT OF ENVIRONMENTAL PROTECTION." JOURNAL OF THE FEDERATION OF SWEDISH INDUSTRIES. SPECIAL ISSUE ON INDUSTRY AND ENVIRONMENT

PM(B) ENGLISH 11/00/70 PGS 14-15 EPA ID# 02840A
AIR

THIS ARTICLE DISCUSSES THE FUNCTIONS AND FUNDING OF THE SWEDISH WATER AND AIR POLLUTION LABORATORY (INSTITUTET FOR VATTEN- OCH LUFTVARDSFORSKNING, IVL), A JOINT GOVERNMENT-INDUSTRY RESEARCH ORGANIZATION. IVL, WHICH IS FUNDED IN EQUAL AMOUNTS BY GOVERNMENT AND INDUSTRY, BEGAN ACTIVITY JANUARY 1, 1966, AFTER THE GOVERNMENT AGREED TO A PROPOSAL BY THE SWEDISH FEDERATION OF INDUSTRIES. AS PART OF THE CONTRACT FORMING THE LABORATORY, INDUSTRY ALSO AGREED TO OPERATE A NON-PROFIT SERVICE COMPANY CALLED INDUSTRIAL WATER AND AIR POLLUTION CONTROL COMPANY TO PROVIDE FIRMS WITH COUNSELING, INVESTIGATIVE AND RESEARCH SERVICES. IVL HAS CONCENTRATED ON SELECTED AREAS OF ENVIRONMENTAL RESEARCH OF PARTICULAR URGENCY. INITIAL CONCENTRATION WAS ON POLLUTION PROBLEMS OF INDUSTRY, BUT UNDER A NEW THREE-YEAR CONTRACT SIGNED IN JULY 1970, PART OF GOVERNMENT FUNDS WILL BE ALLOCATED TO THE STUDY OF MUNICIPAL POLLUTION PROBLEMS.

SWEDEN

"CURING SICK LAKES." CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 50
EMMELIN, LARS

PM(B) ENGLISH 04/00/74 PGS 1-9 EPA ID# 02850A

THIS PUBLICATION DISCUSSES SEVERAL EFFECTED OR PROPOSED EFFORTS TO RESTORE DETERIORATED LAKES IN SWEDEN. THE RECENT RAPID EXPANSION OF SEWAGE TREATMENT CAPACITY HAS BEEN IMPORTANT IN COUNTERACTING FURTHER DETERIORATION. ONE OF THE LARGEST PROPOSED PROJECTS IS A RESTORATION OF THE CENTRAL SWEDISH LAKE HORNBORGA, WHICH WOULD REMOVE MUCH OF THE CURRENT VEGETATIVE OVERGROWTH AND RESERVE THE LAKE AS A BIRD SANCTUARY. A SUCCESSFUL RESTORATION OF THE SOUTH-CENTRAL LAKE TRUMMEN INVOLVED PUMPING OUT A NUTRIENT-RICH HEAVY BLACK MUD LAYER. LAKE OSBYSJON WAS SUCCESSFULLY RESTORED BY INTRODUCING A SPECIES OF CARP TO REDUCE VEGETATION. THE COLDER BOTTOM LAYER OF LAKE JARLA, SOUTH OF STOCKHOLM, WAS SUCCESSFULLY OXYGENATED TO INHIBIT THE RELEASE OF NUTRIENTS FROM THE SEDIMENT SURFACE. VARIOUS EXPERIMENTS ARE BEING CONDUCTED TO DETERMINE THE BEST MEANS OF REJUVENATING ACIDIFIED LAKES IN SOUTHWESTERN SWEDEN. THE ULTIMATE CAUSE OF SUCH ACIDIFICATION IS SULFUR DIOXIDE EMISSIONS FROM SWEDEN AND THE CONTINENT.

SWEDEN

BOD MEASUREMENT IN TOXIC WASTEWATERS (STATENS NATURVARDSVERK PM 433)
SPARELL, LENNART

ST( ) SWEDISH 00/00/74 PGS 1-52 EPA ID# 02876A

THIS REPORT ON INVESTIGATIONS CONDUCTED WITH ECONOMIC SUPPORT FROM THE RESEARCH COMMITTEE OF SWEDEN'S NATIONAL ENVIRONMENT PROTECTION BOARD STATES THAT THE RESULTS OF BIOLOGICAL OXYGEN DEMAND (BOD7) ANALYSES IN WATERS ARE SYSTEMATICALLY DISTORTED ABOUT TEN PERCENT AT NORMAL POLLUTION LEVELS BY THE PRESENCE OF VARIOUS TOXIC SUBSTANCES. INVESTIGATIONS SHOWED THAT A STANDARDIZED DEHYDROGENASE ACTIVITY MEASUREMENT, EASILY AND QUICKLY PERFORMED WITH TETRAZOLIUM SALTS IN A BACTERIAL CULTURE, HELPED QUANTIFY THE DEGREE OF TOXICITY PRESENT, PARALLELED THE DISTURBANCE IN THE BOD7 ANALYSIS, AND COULD THEREFORE BE USED TO CORRECT THE DISTORTION IN THE TEST. SECTIONS OF THE REPORT INCLUDE: A BRIEF SUMMARY IN SWEDISH AND ENGLISH, INTRODUCTION, DISCUSSION OF LITERATURE, PROCEDURE OF THE STUDY, AND RESULTS WITH A DISCUSSION. APPENDED ARE A BIBLIOGRAPHY AND SEVERAL PAGES OF GRAPHS.

WATER

SWEDEN — INFLUENCE OF ROADS ON THE SURROUNDING NATURE - A LITERATURE SURVEY (STATENS NATURVARDSVERK PM 476)
KNUTSSON, GERT AND OTHERS — EPA
ST( ) SWEDISH 00/00/74 PGS 1-109 ID# 02877A
*TOXIC SUBS

SWEDEN — SOME EFFECTS OF ZINC ON DIFFERENT STATES IN THE LIFE HISTORY OF THE MINNOW, PHOXINUS PHOXINUS L. (PISCES) (STATENS NATURVARDSVERK PM 570)
BENGTSSON, BENGT-ERIK — EPA
ST( ) ENGLISH 00/00/75 PGS 1-56 ID# 02880A
*TOXIC SUBS

SWEDEN — MERCURY IN LAKE VANERN - PRESENT STATUS AND PROGNOSIS (STATENS NATURVARDSVERK PM 563)
HAKANSON, LARS — EPA
ST( ) SWEDISH 00/00/75 PGS 1-121 ID# 02881A
TOXIC SUBS

THIS PUBLICATION DESCRIBES A STUDY TO DETERMINE THE DEGREE OF MERCURY POLLUTION IN LAKE VANERN IN SOUTHWESTERN SWEDEN. OBJECTIVES OF THE STUDY WERE TO OBTAIN FACTS ABOUT SEDIMENT POLLUTION IN THE LAKE, DISCUSS AND INTERPRET THE AREAL AND VERTICAL DISTRIBUTION PATTERNS OF MERCURY IN THE LAKE, SUBSTANTIATE A THEORY ABOUT THE RELATIONSHIP BETWEEN THE MERCURY CONTENT OF FISH (PIKE) AND SEDIMENTS AND THE TROPHIC LEVEL OF THE LAKE, AND DEVELOP A THEORETICAL MODEL TO PREDICT THE RECOVERY OF CONTAMINATED SEDIMENTS APPLICABLE TO LAKE VANERN. BECAUSE THE NUTRITIONAL STATUS OF LAKE VANERN IS LOW, IT IS PARTICULARLY SUSCEPTIBLE TO ENVIRONMENTAL POISONS, AND IT WAS SHOWN THAT PARTS OF THE LAKE HAVE A SEDIMENT MERCURY CONTENT TWO TO THREE TIMES THAT OF SUCH AMERICAN LAKES AS ONTARIO AND ERIE. HOWEVER THERE ARE SIGNS THAT THE PROCESS OF RECOVERY HAS STARTED. THE PUBLICATION CONTAINS AN INITIAL ENGLISH ABSTRACT AND FINAL ENGLISH SUMMARY.

SWEDEN — IDENTIFICATION OF SOME ORGANIC SUBSTANCES POTENTIALLY HARMFUL TO THE ENVIRONMENT (STATENS NATURVARDSVERK PM 520)
JENSEN, SOREN — EPA
ST( ) ENGLISH 00/00/74 PGS 1-127 ID# 02885A
*TOXIC SUBS

WATER

SWITZERLAND "STATUS OF WATER PROTECTION AND SOLID WASTE REMOVAL." NEUE ZUERCHER ZEITUNG

PM(B) GERMAN 05/12/75 PGS 13 EPA ID# 02846A
SOLID WASTE

THIS NEWSPAPER ARTICLE SUMMARIZES DATA ON THE STATUS OF WASTEWATER AND SOLID WASTE TREATMENT FACILITIES IN SWITZERLAND AS OF JANUARY 1, 1975 REPORTED BY THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION. THERE WERE 583 CENTRAL SEWAGE PURIFICATION PLANTS SERVING 977 COMMUNITIES WITH ABOUT 50 PERCENT OF THE POPULATION. IN ADDITION 111 PURIFICATION PLANTS FOR 377 COMMUNITIES WITH 11.9 PERCENT OF THE POPULATION WERE IN CONSTRUCTION AT THE BEGINNING OF THE YEAR. CURRENT EXPENDITURES FOR WASTEWATER PURIFICATION IN SWITZERLAND AVERAGE 1.3 BILLION SWISS FRANCS PER YEAR. AS OF JANUARY 1, INCINERATORS, COMPOSTING PLANTS, AND DUMPS PROVIDED FOR DISPOSAL OF WASTES IN 1,761 COMMUNITIES WITH APPROXIMATELY TWO-THIRDS OF THE POPULATION. THE OFFICE ALSO REPORTED SIGNIFICANT PROGRESS IN HANDLING SPECIAL WASTES IN 1974. A CENTRAL FACILITY FOR THE DETOXIFICATION OF INORGANIC WASTES FROM INDUSTRY AND COMMERCE WAS ESTABLISHED IN THE CANTON OF AARGAU IN 1974.

VENEZUELA INTEGRAL STUDY TO DETERMINE THE STATUS OF POLLUTION ALONG CENTRAL COASTAL BEACHES
PARRA PARDI, GUSTAVO, AND OTHERS

PM(B) SPANISH 00/00/72 PGS 1-97 EPA ID# 02849A

THIS RESEARCH REPORT, PUBLISHED BY THE VENEZUELAN MINISTRY FOR HEALTH AND WELFARE FOR PRESENTATION AT THE 13TH INTER-AMERICAN SANITARY ENGINEERING CONGRESS IN AUGUST 1972, ATTEMPTS TO DETERMINE ACCURATELY THE DEGREE OF POLLUTION IN MARINE WATERS ALONG THE CENTRAL COASTAL REGION OF VENEZUELA. PART ONE OF THE REPORT GIVES A DESCRIPTION OF THE PRESENT CONDITIONS IN THE STUDIED REGION, DISCUSSING PHYSICAL CHARACTERISTICS, RESEARCH METHODS, BACTERIOLOGICAL CONTENT OF REGIONAL WATERS, POLLUTION SOURCES, ANALYSES AND CONCLUSIONS. THE SECOND PART OF THE REPORT ATTEMPTS TO DETERMINE THE ACTUAL AND FUTURE VOLUME OF POLLUTION TO WHICH THIS REGION IS SUBJECTED AS WELL AS THE EFFICIENCY OF VARIOUS SUBMARINE DISCHARGE SYSTEMS IN THE REGION. SPECIFIC CHAPTERS IN THIS PART OF THE REPORT DISCUSS RESEARCH METHODOLOGY, VOLUME AND CHARACTERISTICS OF EFFLUENTS, FUTURE PROJECTIONS OF WASTEWATER DISCHARGE AND THE EFFECT OF THE VARIOUS SUBMARINE DISCHARGE SYSTEMS IN POLLUTING COASTAL WATERS.

VENEZUELA

INTEGRAL SANITARY STUDY OF THE YARACUY RIVER (ESTUDIO SANITARIO INTEGRAL DEL RIO YARACUY)

PARRA PARDI, GUSTAVO

PM(B) SPANISH 00/00/74 PJS 1-341 EPA ID# 02852A

THIS REPORT, PUBLISHED BY THE DIRECTORATE OF MALARIOLOGY AND ENVIRONMENTAL SANITATION OF THE VENEZUELAN MINISTRY OF HEALTH AND WELFARE, REPRESENTS AN IN-DEPTH POLLUTION STUDY OF THE YARACUY RIVER IN VENEZUELA. BY PRECISELY DETERMINING THE STATE OF POLLUTION AND THE AUTOPURIFICATION CAPACITY OF THE YARACUY RIVER AS WELL AS FORMULATING PRACTICAL CRITERIA FOR CONTROLLING WASTEWATER DISCHARGES INTO THE RIVER, THIS REPORT IS TO SERVE AS A NATIONAL GUIDELINE FOR STUDYING AND CONTROLLING POLLUTION IN ALL VENEZUELAN RIVERS AND LAKES. SPECIFIC CHAPTERS IN THE REPORT DISCUSS AND ANALYZE THE FOLLOWING TOPICS: METHODOLOGY AND ANALYSIS OF RESEARCH, DEPOLLUTION ACTIVITIES BEING CARRIED OUT ON THE RIVER, CHARACTERISTICS AND USES OF THE YARACUY RIVER, POLLUTION SOURCES, AND PUBLIC WATER SUPPLY OBTAINED FROM THE RIVER. SUMMARIES, CONCLUSIONS AND RECOMMENDATIONS ARE CONTAINED IN THE REPORT AS WELL AS TABULATED INFORMATION, APPENDIXES AND A BIBLIOGRAPHY.

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